TOSHIBA

HD-A2KU
HD-A2WKU

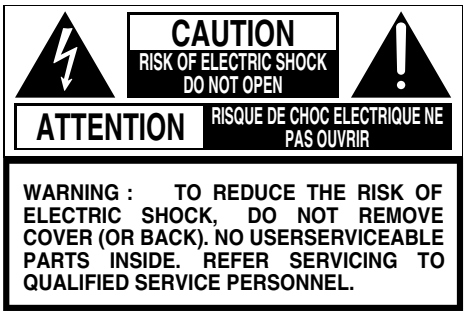
HD DVD player

OWNER'S MANUAL

HD DVD™ DVD VIDEO™ COMPACT disc DIGITAL AUDIO

DOLBY® DIGITAL • PLUS DOLBY® TRUEHD DIGITAL dts SURROUND HDMI™ SHARC® PROCESSOR by Analog Devices

SAFETY PRECAUTIONS


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
ATTENTION
RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR
WARNING : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USERSERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU’AU FOND.

CAUTION: This HD DVD player employs a Laser System.
To ensure proper use of this product, please read this owner’s manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location - see service procedure.

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure.
Visible and invisible laser radiation when open and interlocks defeated.
DO NOT STARE INTO BEAM.

FCC NOTICE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rule. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications made to this equipment, not expressly approved by Toshiba, or parties authorized by Toshiba, could void the user’s authority to operate the equipment.

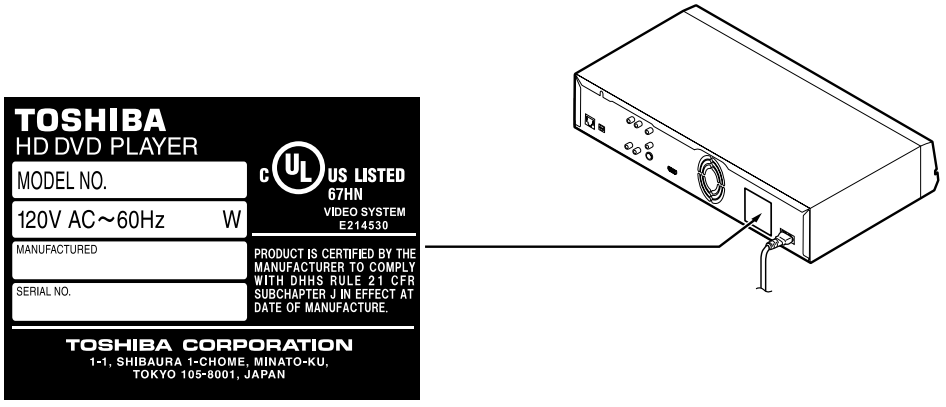
CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

In the spaces provided below, record the Model and Serial No. located on the rear panel of your player.

Model No. _____ Serial No. _____

Retain this information for future reference.

Location of the required label



IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

ADDITIONAL SAFETY INSTRUCTIONS

15. Do not overload wall outlets; extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

16. Apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should not be placed on the apparatus.

17. Keep your fingers well clear of the disc tray as it is closing. Neglecting to do so may cause serious personal injury.

18. Do not place anything on top of this unit.

19. Do not place the apparatus on amplifiers or equipment that may produce heat.

20. Do not cover the ventilating holes for the inside cooling fan.

21. Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and apparatus malfunction.

22. If the apparatus should smoke or smell, immediately disconnect the power cord from the wall outlet. Wait until the smoke or smell stops, then ask your dealer for a check and repair. Neglecting to do so may cause fire.

23. During thunderstorms, do not touch the connecting cables or the apparatus.

Precautions

Notes on handling

- Never disconnect the power cord from a wall outlet while the player is turned on, unless it is in an emergency. Doing so may cause malfunction.
- When shipping the player, the original shipping carton and packing materials come in handy. For maximum protection, repack the unit as it was originally packed at the factory.
- Do not use volatile liquids, such as insect spray, near the player. Do not leave rubber or plastic products in contact with the player for a long time. They will leave marks on the finish.
- The top and rear panels of the player may become warm after a long period of use. This is not a malfunction.

When not in use

- For usual absence
  Be sure to remove the disc from the player and turn off the power.
- Prolonged absence
  Unplug the player from a wall outlet. (This will stop the clock. Display "SETUP MENU" by pressing SETUP, and reset the clock (page 50, 57).)

Notes on locating

- Place the player on a level surface. Do not use it on a shaky or unstable surface such as a wobbly table or inclined stand. The loaded disc may dislodge from its proper position and cause damage to the player. Before placing the player, make sure that the surface can stand the weight of the player. Never place the player in a high location to avoid damage to the product or person by an accidental fall of the player.
- When you place this player near a TV, radio, or VCR, the playback picture may become poor and the sound may be distorted depending on the condition and location of said equipment. In such an event, place the player as far away much as possible from the TV, radio, or VCR.
- To avoid damage to this product, never place or store the unit in direct sunlight; hot, humid areas; or areas subject to excessive dust, oily smoke, cigarette smoke or vibration.

Notes on cleaning

Use a soft, dry cloth for cleaning.

- Do not use any type of solvent, such as thinner or benzine, as they may damage the surface of the player.

About the volume level

The volume level of some commercial HD DVD and DVD discs may seem lower than that of audio CDs, other software, etc. If you turn up the volume of the TV or amplifier to play such discs, be sure to turn it back down after playback finishes.

Playback restrictions

This owner's manual explains the basic instructions for this player. Some HD DVD discs or DVD video discs are produced in a manner that allows specific or limited operation during playback. As such, the player may not respond to all operating commands. This is not a defect in the player. Please refer to the notes on compatible discs later in this Introduction and to the discussion of DVD playback and features later in this manual.

"⃠" may appear on the TV screen during operation. "⃠" means that the operation is not permitted by the player or the disc.

About software

Because of problems and errors that can occur during the creation of HD DVD, DVD and CD software and/or the manufacture of HD DVD, DVD and CD discs, Toshiba cannot assure that this player will successfully play every disc bearing the HD DVD, DVD or CD logos. If you happen to experience any difficulty playing an HD DVD, DVD or CD disc on this player, please contact Toshiba Customer Service.

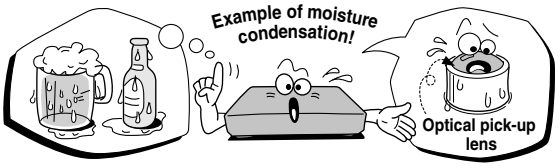
Some differences

The HD DVD player operates more like a computer and differently than a standard DVD player, In addition to containing a microprocessor, it contains an operating system, random access memory (RAM), and an HD DVD drive. The operating system includes software that is transferred to the RAM when the machine is turned on and at other times during operation. This transfer can take time. Therefore, when you turn the HD DVD player on, it may take a little while before it is ready to use. Likewise, other functions may not be performed as quickly as they would on other AV equipment. Please take these factors into consideration as you use the HD DVD player.

Notes on moisture condensation

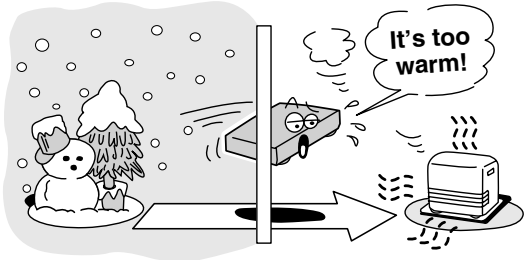
■ **Moisture condensation damages the unit. Please read the following carefully.**

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside this unit, one of the most crucial internal parts of the unit.



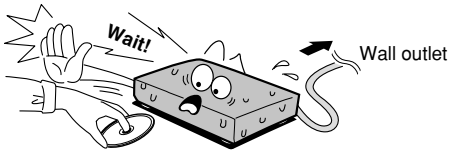
■ **Moisture condensation occurs during the following cases.**

- When you bring the unit directly from a cold place to a warm place.
- When you use the unit in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the unit.
- In summer, when you use the unit in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the unit in a humid place.



■ **Do not use the unit when moisture condensation may occur.**

If you use the unit in such a situation, it may damage discs and internal parts. Connect the power cord of the unit to the wall outlet, turn on the unit, remove the disc, and leave it for two or three hours. After two or three hours, the unit will have warmed up and evaporated any moisture. Keep the unit connected to the wall outlet and moisture condensation will seldom occur.



Notes on copyright

- The unauthorized recording, use, display, distribution, or revision of television programs, videotapes, HD DVDs, DVDs, CDs and other materials, is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and/or criminal liability.
- This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

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HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

SHARC is a registered trademark and Melody is a trademark of Analog Devices, Inc.

HD DVD and DVD are trademarks of DVD Format/Logo Licensing Corporation.

All other brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders.

Features

Playback of HD DVD video discs

HD DVD video discs are high-density, high-capacity discs.

- The HD DVD disc standard has been approved by the DVD forum.
- HD DVD (single layer): 15 GB
  HD DVD (dual layer): Maximum capacity of 30 GB
  A single layer single sided disc (15 GB) has capacity of about 8 hours in 1125 line high definition picture; about 48 hours in 525 line standard definition picture (depending on bitrate of pre-recorded contents).
  *1GB means 1,000,000,000 bytes.
- HD DVD Twin Format Discs have both HD DVD and DVD layers on one side. HD DVD Combination DVD Discs have HD DVD material on one side and standard DVD material on the other side. Because both disc types are new, such discs may not operate properly in this player.
- To view high-definition picture in HD DVD discs, an HDTV display (720p, 1080i) is required.
- Connect an HDTV set to the COMPONENT OUTPUT jacks or the HDMI OUTPUT jack on this player.
- Some discs may require use of HDMI OUTPUT for viewing of high resolution material.

Compatible with multiple disc types

- Playback of commercial HD DVD video disc, DVD video, and Audio CD
- Playback of DVD-RW (disc recorded in DVD VR mode or DVD video mode), and DVD-R
- Playback of CD-RW and CD-R (Audio CD of CD-DA format only; playback of MP3, WMA and other non-CD-DA audio formats are not supported.)

Because HD DVD is a new format, disc compatibility issues with new and existing format discs are possible. Not all discs are compatible. If you experience compatibility problems, please contact Toshiba Customer Service.
Blu-ray Discs cannot be played on this player.

Internet connection feature (LAN port)

- Some HD DVD discs enable you to access special HD DVD sites. If an HD DVD site includes content such as movie trailers, you can watch the content on the player via the Internet if your internet connection provides sufficient bandwidth.

HD output jacks

- An HDMI jack for connecting a single cable to output video and audio signals
- Component jacks

Compatibility notes

- For compatibility, see page 28.

Certain system requirements and limitations

For high definition video playback:

- HD display (some discs may require HDCP capable input)
- HD DVD disc with HD content

For Dolby® Digital Plus and Dolby TrueHD multi-channel audio playback:

- A/V Receiver with HDMI™ multi-channel LPCM capable audio input and 5.1 channel speaker setup.

Certain limitations:
Viewing high-definition content and up-converting DVD content may require an HDCP capable input on your display device. Because HD DVD is a new format, certain disc, digital connection and other compatibility issues are possible. Some recordable media may not be supported. Dolby Digital Plus, Dolby TrueHD and DTS support for up to 5.1 channels. DTS-HD support for DTS core only. MP3/WMA audio files not supported. Please see www.toshibahddvd.com for more information. Features subject to change and delayed availability. The firmware in this player can be updated.

Customer support

To reach Toshiba Customer Support, please call 1 (800) 319-6684 or visit www.tacp.com/customersupport.

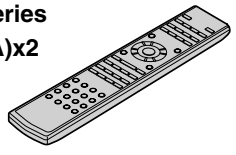
This HD DVD player is manufactured under the HD DVD Format adopted by the DVD Forum. The DVD Forum approved AACS (Advance Access Content System) as content protection system for HD DVD format like it approved CSS (Content Scramble System) for DVD format. Therefore, certain restrictions are imposed on play, analog signal output, etc. of AACS protected contents.
When you use pre-recorded contents, the contents may designate whether or not to apply such restrictions.
As those restrictions may be adopted and/or changed and announced by AACS after the production of this product, the operation of this product and restrictions thereon may vary depending on the time you purchase this product as well as during the life of this product.
To obtain updated information about AACS and this product, please call 1 (800) 319-6684 or visit www.tacp.com/customersupport.

Accessories

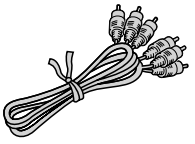
Accessories

Check that the following accessories are supplied.

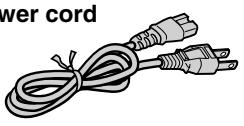
Remote control
Batteries
(AAA)x2



Composite audio/video cable



Power cord



Caution
- Do not use this power cord with any device other than this player.

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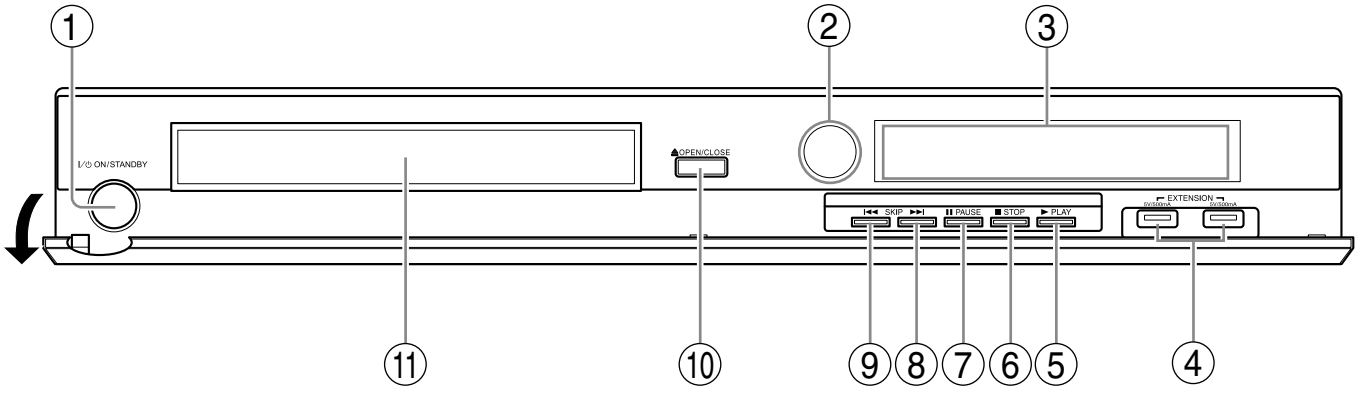
Index to parts and controls

See pages with arrows for details.

Front panel



* The above illustration displays the front panel with the cover open.

Note

• Do not place a heavy object on the cover while it is open. Doing so may damage the player.

① **ON/STANDBY button / ON/STANDBY indicator** **page 30**

Turns the power on/restores the unit to the standby mode.

② **Remote sensor** **page 16**

③ **Front panel display** **page 14**

④ **EXTENSION ports** **page 39**

⑤ **► (PLAY) button** **page 31**

Starts playback.

⑥ **■ (STOP) button** **page 31**

Stops playback.

⑦ **⏸ (PAUSE) button** **page 31**

Stops playback momentarily.

⑧ **⏭ (SKIP) button** **page 35**

Skips to the next chapter or track.

⑨ **⏮ (SKIP) button** **page 35**

Skips to the previous chapter or track.

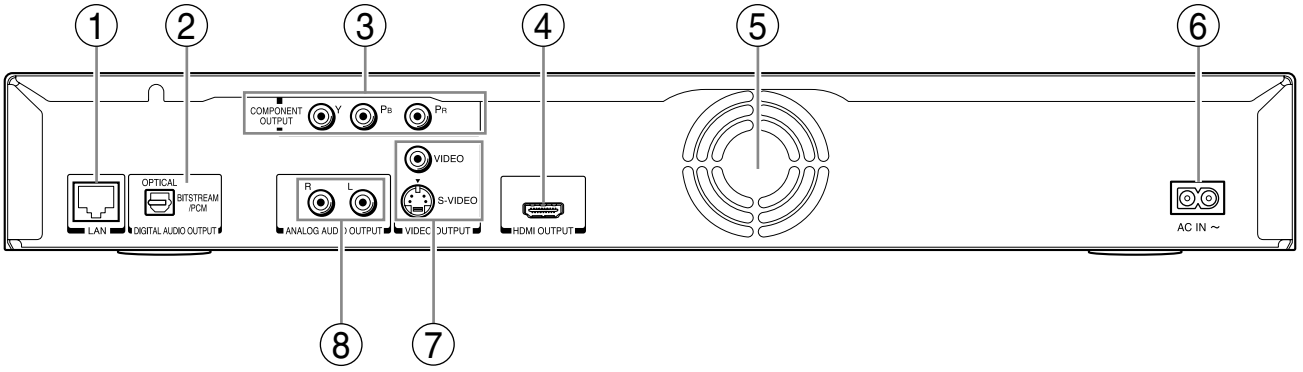
⑩ **OPEN/CLOSE button** **page 30**

Opens and closes the disc tray.

⑪ **Disc tray** **page 30**

Loads a disc into the disc drive.

Rear panel



① **LAN port** **page 44**

Use this to connect to a network with an always-on broadband connection.

② **DIGITAL AUDIO OUTPUT BITSTREAM/PCM OPTICAL jack** **page 24**

Outputs digital audio signals.

Connect to a digital audio input on an amplifier equipped with digital audio decoder.

When connecting the optional digital cable, fit the connector into the jack firmly.

③ **COMPONENT OUTPUT jacks** **page 22**

Outputs video signals to a connected TV or monitor.

Connect to a TV or monitor equipped with component video jacks.

④ **HDMI OUTPUT jack** **page 21**

Outputs video/audio signals to a connected TV, monitor or AV amplifier.

Connect to a TV, monitor or AV amplifier equipped with HDMI input.

⑤ **Ventilation fan**

Do not cover the ventilation holes.

⑥ **AC IN socket** **page 21, 22**

Connect the supplied power cord.

⑦ **VIDEO OUTPUT (VIDEO, S-VIDEO)** **page 22**

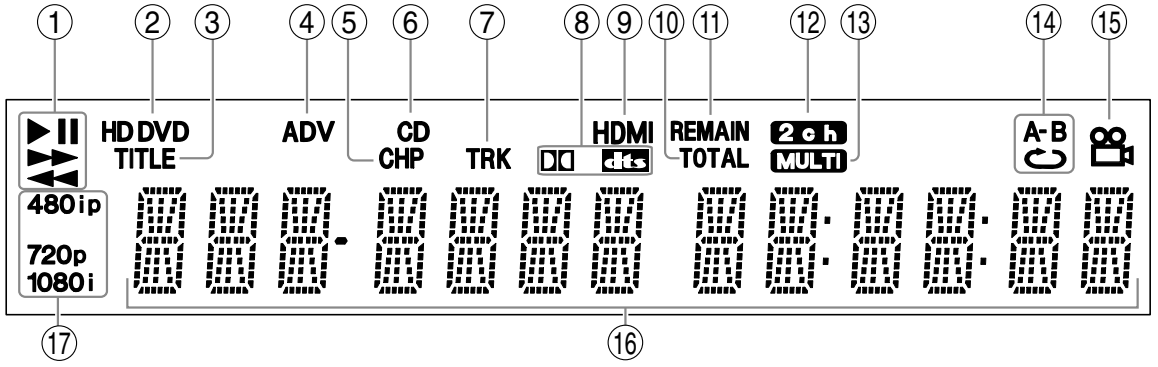
Outputs video signals to a connected TV or amplifier.

⑧ **ANALOG AUDIO OUTPUT jacks** **page 22**

Outputs audio signals to a connected TV or AV amplifier.

Index to parts and controls (Continued)

Display



① **Status indicator**
- ▶ : Playing
- II : Pausing
- ►► : Fast forward playback
- ◄◄ : Fast reverse playback

② **Disc indicator**
- HD DVD : Illuminates when an HD DVD disc is loaded.
- DVD : Illuminates when a DVD disc is loaded.

③ **TITLE indicator**
Illuminates when a title number is displayed.

④ **ADV (Advanced) indicator**
Illuminates when advanced content is played.

⑤ **CHP (Chapter) indicator**
Illuminates when a chapter number is displayed.

⑥ **CD indicator**
Illuminates when a CD is loaded.

⑦ **TRK (Track) indicator**
Illuminates when a track number is displayed.

⑧ **Sound format indicator**
- DD : Illuminates when Dolby Digital sound is played.
- dts : Illuminates when DTS sound is played.

⑨ **HDMI Indicator**
Illuminates when HDMI connection is verified between the player and another device.

⑩ **TOTAL indicator**
Illuminates when the total playing time of the disc is displayed.

⑪ **REMAIN (Remaining) indicator**
Illuminates when a remaining playback time is displayed.

⑫ **2ch indicator**
Illuminates when 2 channel (L/R) sound is output.

⑬ **MULTI indicator**
Illuminates when 5.1 channel sound is output.

⑭ **Repeat mode indicator**
Illuminates when playing in repeat mode.

⑮ **Angle icon indicator**
Illuminates when playing a scene recorded with multi angles.

⑯ **Multi display**
Displays the total playing time of the disc, elapsed time, remaining time, title number, chapter number or message, etc.

⑰ **Video output format indicator**
Displays the video output format currently selected.
- 480i : 480 interlace
- 480p : 480 progressive
- 720p : 720 progressive
- 1080i : 1080 interlace

■ Switching the display

DISPLAY Every time you press DISPLAY button on the remote control, the display changes the contents. The display may not change, depending on the disc conditions.

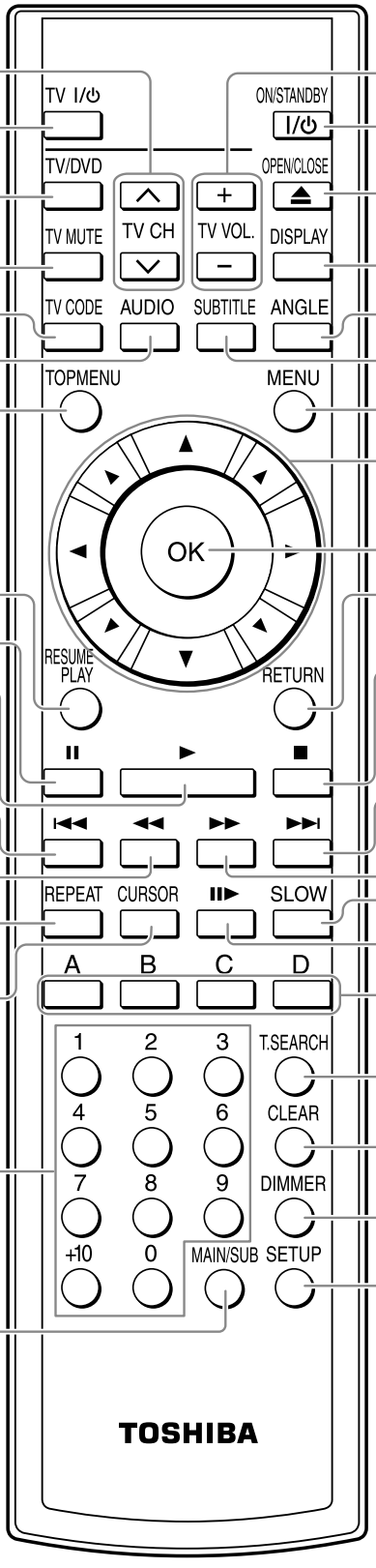
■ Dimming the display

Pressing DIMMER button on the remote control changes the brightness of the display.

DIMMER Normal → Dimmed → Off

- Turning off the power resets this setting.

Remote control



TV CH buttons ⇨ page 17

TV I/⏻ button ⇨ page 17

TV/ DVD button ⇨ page 17

TV MUTE button ⇨ page 17

TV CODE button ⇨ page 17

AUDIO button ⇨ page 33

TOP MENU button ⇨ page 32

RESUME PLAY button ⇨ page 36

❚❚(PAUSE) button ⇨ page 31

►(PLAY) button ⇨ page 31

I◄◄ (SKIP) button ⇨ page 35

◄◄ button ⇨ page 35

REPEAT button ⇨ page 38

CURSOR button ⇨ page 39

Number buttons ⇨ page 36

MAIN/SUB button*

TV VOL. buttons ⇨ page 17

ON/STANDBY button ⇨ page 30

OPEN/CLOSE button ⇨ page 30

DISPLAY button ⇨ page 41

ANGLE button ⇨ page 34

SUBTITLE button ⇨ page 34

MENU button ⇨ page 32

Direction buttons ⇨ page 32, 50

OK button ⇨ page 32, 50

RETURN button ⇨ page 50*

■(STOP) button ⇨ page 31

►►I (SKIP) button ⇨ page 35

►► button ⇨ page 35

SLOW button ⇨ page 35

❚❚► button ⇨ page 35

A, B, C, D button ⇨ page 32

T.SEARCH button ⇨ page 36

CLEAR button ⇨ page 36

DIMMER button ⇨ page 14

SETUP button ⇨ page 50

* MAIN/SUB
For future functions which may become available by software update.

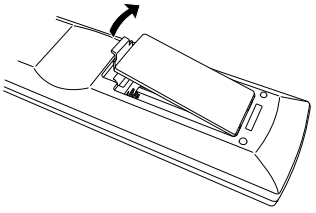
* RETURN
Returns to the previous screen (the screen may be specified depending on the disc). Refer to the instructions of the disc.

Preparation of the remote control

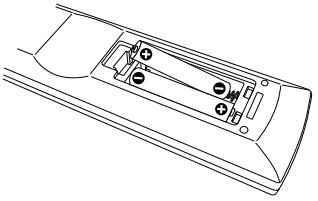
Set up the remote control to operate the player and your TV.

Loading batteries

1 Open the cover.



2 Insert batteries.

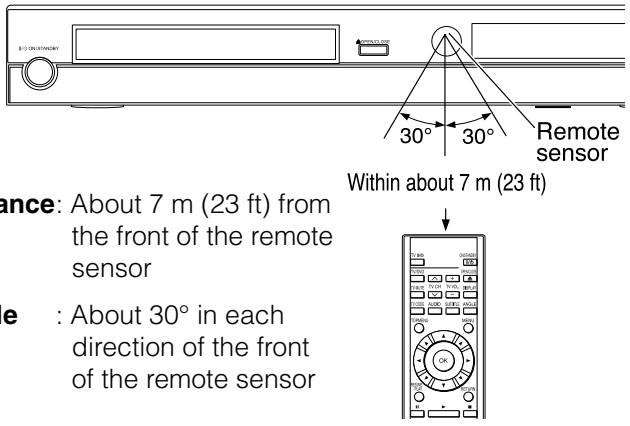


- Use 2 batteries (AAA sizes).
- Make sure to match the + and – on the batteries to the marks inside the battery compartment.

3 Close the cover.

Operating with the remote control

Point the remote control at the remote sensor and press the buttons.



Distance: About 7 m (23 ft) from the front of the remote sensor

Angle : About 30° in each direction of the front of the remote sensor

Notes

- Do not drop or give the remote control a shock.
- Do not leave the remote control near an extremely hot or humid place.
- Do not spill water or put anything wet on the remote control.
- Do not disassemble the remote control.
- Dispose of batteries in a designated disposal area.
- Batteries should always be disposed of with the environment in mind.
- Always dispose of batteries in accordance with applicable laws and regulations.
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace all batteries with new ones.
- When necessary to replace batteries in the remote control, always replace all batteries with new ones. Never mix battery types or use new and used batteries in combination.
- Be sure to use AAA size batteries.
- Always remove batteries from remote control if they are dead or if the remote control is not be used for an extended period of time. This will prevent battery acid from leaking into the battery compartment.

Caution

- Never throw batteries into a fire.

Programming for TV control

1 While holding TV CODE, press the number buttons to enter a corresponding brand code (see below) of your TV.

e.g. To enter 0001

TV CODE → 0 → 0 → 0 → 1

Hold down.

- Some brands have several codes. Try one by one until the remote control can operate your TV.

2 Release TV CODE.

The brand code is memorized.

Notes

- TOSHIBA code is already set when you operate this player for the first time.
- When replacing the batteries of the remote control, re-enter the brand code of your TV.

Operating your TV with the remote control

Point the remote control to your TV after you have entered the brand code. Operate your TV with the buttons below.

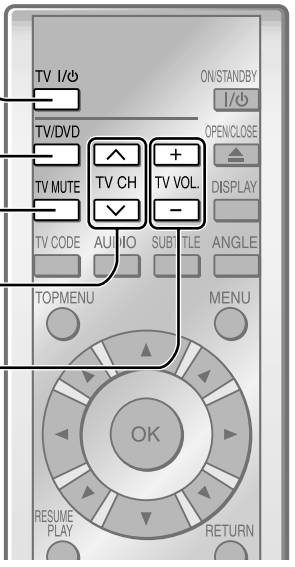
TV I/⏻ :
To turn on and off the TV

TV/DVD :
To change the video input

TV MUTE :
To mute the TV

TV CH :
To select the TV channel

TV VOL. :
To adjust the volume



Notes

- For some TVs, pressing the volume button once may change the volume by more than one level.
- Even after the player's remote control is programmed, it may not operate some or all of the features on your other device.
  If this happens and you wish to use those features, you will need to use the device's original remote control.

Brand code table

Brand name	Brand code
Toshiba	0001 0021 0071 0411 0431 0831 0841 0851 0881 1341 1611 1621 1681 1781 1951 2121 2461 2491 4071 4371 5951 5971 6041 6101 6111 6121 6131 6141
Bell & Howell	0081 0431
Citizen	0051 0381 0471 0551 0621 0851 1561
Curtis Mathes	0051 0391 0431 0531 0621 0851 1521 1561
Emerson	0051 0111 0121 0141 0151 0161 0201 0211 0351 0381 0431 0521 0561 0571 0621 0691 1241 1291 1371 1561 2481 4871
Fisher	0251 0401 0431 1151 2451 2461
GE	0001 0041 0051 0091 0181 0321 0371 0391 0591 0621 0711 0741 1041 1471 1521 2481 4691 4881 4891
Goldstar	0051 0061 0161 0231 0451 0501 0621 0661 0771 0961 1431 1561 2491
Hitachi	0031 0051 0161 0191 0301 0601 0621 0641 0671 0811 0821 0951 1011 1061 1241 1361 1651 1711 1731 1741 1751 1761 2041 2051 2131 2381 4121 4731 4901 4911 4921 4931 4941 4951 4961 5631
Infinity	0631
JBL	0631
JVC	0101 0161 0191 0241 0331 0511 0561 0601 0741 0991 1321 1421 2161 2171 4341 4351 4701 4711 4721 4741 4751 4761 4771 4781 4791 4801 4811 4971 4981 4991 5001 5011 5021 5031 5041 5051 5061 5071 5081 5091 5101 5111 5121 5131 5141 5151 5161 5171 5181 5191 5201

(Continued)

Preparation of the remote control (Continued)

Brand name	Brand code
LXI	0311 0391 0411 0431 0621 0631 0881 1041 1171 1521 2491
Maganvox	0051 0271 0291 0341 0361 0421 0551 0621 0631 0661 0971 0981 1131 2221 5221 5231 5241
Marantz	0051 0481 0621 0631 0641 2491
Memorex	0081 0431 0501 0621 2491 4421 5251
MGA	0051 0251 0261 0371 0501 0621 0661 0761
Mitsubishi	0051 0251 0261 0281 0371 0491 0501 0621 0661 0761 2231 2241 5261 5271
MTC	0051 0501 0621 0851
NAD	0311 0411 0621 0881 1061
Optonica	0541 1101
Panasonic	0631 0711 0741 1271 1351 1401 1501 1701 1791 1801 2111 2151 2301 2321 4101 5281 5291 5301 5311 5321 5331 5341 5351 5361 5371 5381 5391 5661
Philco	0051 0161 0271 0291 0361 0421 0501 0551 0621 0631 0661 0711
Philips	0051 0161 0271 0321 0361 0421 0461 0551 0631 0661 0711 2141 2351 5401 5411 5421 5431 5451 5461 5471 5481 5491 5501 5531 5541 5551 5601 5621
Pioneer	0051 0621 0681 0721 0751 1061 1241 1581 1971 4081 4111
Proton	0051 0161 0621 0651 2491
Quasar	0711 0741 0801 1401 2281 5651 5661
Radio Shack	0431 1521 2481
Radio Shack/Realistic	0051 0161 0381 0391 0431 0541 0621 1431 1561
RCA	6641 0001 0051 0221 0391 0501 0621 0661 0711 0871 0911 0921 0941 1001 1041 1071 1091 1181 1211 1241 1301 1461 1491 1521 1531 2291 2481 4361 5671 5681 5691 5701 5711 5721

Brand name	Brand code
Realistic	0431 1521
Runco	0011
Samsung	0051 0161 0501 0531 0621 0661 0851 0931 1021 1141 1431 1561 1591 1601 1771 1811 1821 1831 1841 1851 1861 1931 2081 2101 2311 4011 4061 5731
Sanyo	0051 0261 0401 0431 0791 0901 1151 2461
Sears	0051 0151 0191 0251 0311 0331 0391 0401 0411 0431 0621 0661 0881 1041 1081 1151 1481 1521 2461 2481
Sharp	0051 0111 0161 0351 0541 0581 0611 0621 0731 0891 1101 1561 1721 1871 1881 1941 2181 2341 5741 5751 5761 5771
Sony	0441 1111 1231 1511 2401 2411 2431 1891 1901 2061 2421 5781 5791 5801 5811 5821 5831 5841 5851 5861 5871 5881 5891 5901 5911
Soundesign	0051 0151 0381 0551 0621 2481
Sylvania	0051 0071 0271 0291 0341 0361 0421 0551 0621 0631 0661 0861 1441 2191 2201 4151 4441 5921 5931
Tandy	1101
Technics	0741
Teknika	0051 0081 0151 0161 0191 0341 0381 0471 0501 0551 0621 0851 1271 1401 1561 2481
Wards	0051 0081 0141 0151 0181 0211 0271 0321 0341 0361 0391 0421 0501 0541 0621 0631 0661 1051 1521 2491
Zenith	0011 0051 0081 0781 1281 1571 2091 2211 2251 2361 2391 2441 4821 4831 4841 4851 6151 6161 6171 6181

Hint on reading this manual

Icons for function applicability

The following icons are used in this manual to indicate features and/or functions that are applicable to various types of discs.
(For disc compatibility information, see page 28.)

Icon	Disc	Icon	Disc
HD DVD	HD DVD video disc	CD	Audio CD
DVD-Video	DVD video disc	CD-RW (CD-DA)	CD-RW (CD-DA format)
DVD-RW	DVD-RW	CD-R (CD-DA)	CD-R (CD-DA format)
DVD-R	DVD-R		

Instructions and actual buttons

Most instructions are based on remote control operation, unless otherwise noted. You can use the buttons on the remote control and those on the main unit as well when they have the same function. Some functions are available only from the remote control.

2 Connections

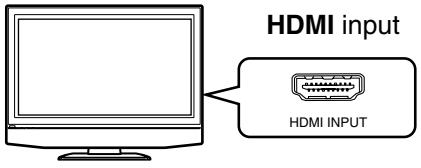
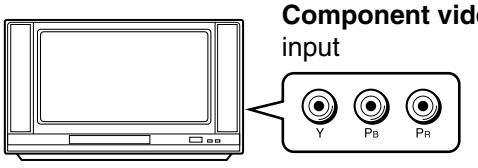
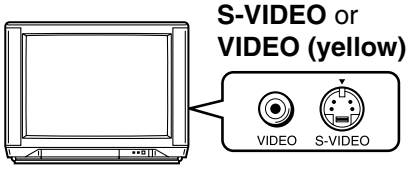
Connect your player to your A/V system.

Connecting to a TV
Connecting to an audio system

Connecting to a TV

Step 1 Check the type of video input on your TV.

To view 480p, 720p or 1080i output, use the HDMI OUTPUT jack or the COMPONENT OUTPUT jacks to connect to a TV. Some discs may require use of the HDMI OUTPUT jack for viewing of high resolution material.

TV input	High definition video	Page
 **Most recommended***	**Viewable.**	**21**
	**Viewable. (Some discs may be down converted or require HDMI connection.)**	**22**
	**Down converted. (Some discs may require HDMI connection.)**	**22**

***Why HDMI connection is most recommended?**

HD DVD and DVD video disc creators have the option to include copy protection instructions in their discs that prohibit the output of some standard video or high definition video (original 720p or 1080i or up-converted 480i or 480p) from the COMPONENT OUTPUT jacks. If such instructions are present in the disc you are playing, you must use the HDMI OUTPUT jack to view the disc in a high definition format and the COMPONENT OUTPUT jacks, if activated, will output video only in 480i or 480p resolution.

Caution on connection

- Do not power this player using any power cord other than the one supplied with this player.
- Do not use the supplied power cord with any device other than this player.

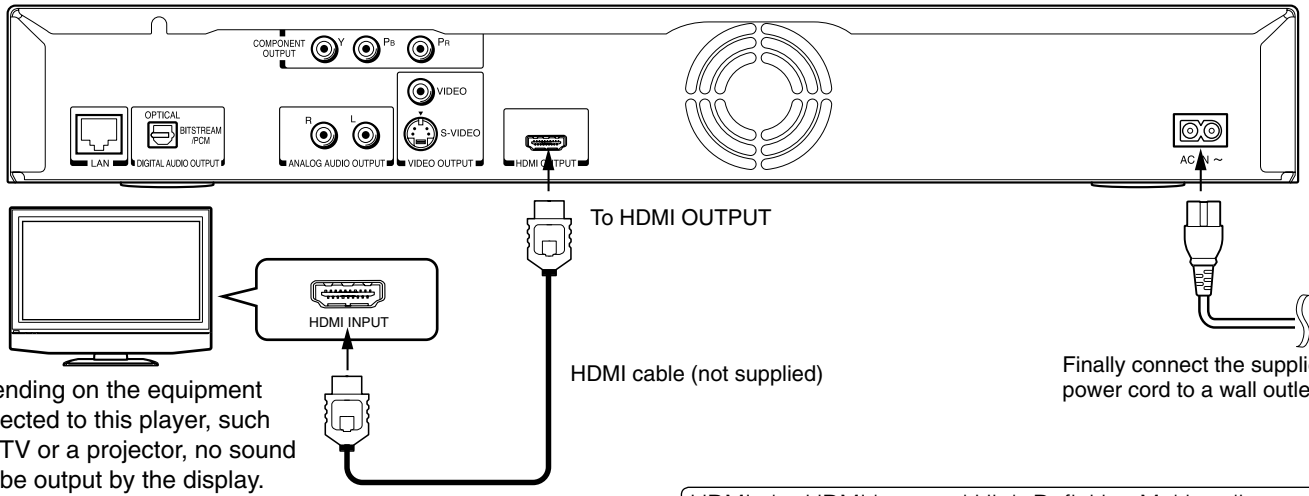
Notes on connection

- When you connect the player to your TV, be sure to turn off the power and unplug both units from the wall outlet before making any connections.
- Connect the player directly to your TV. If you connect the player to a VCR, TV/VCR combination, video selector or AV amplifier, the playback picture may be distorted due to copy protection.

Step2 Connect the player to your TV.

Via HDMI input

HDMI stands for High Definition Multimedia Interface. HDMI transfers digital audio and uncompressed digital video on a single cable. As a result, audio cables and video cables don't need to be connected separately to a device.



Depending on the equipment connected to this player, such as a TV or a projector, no sound may be output by the display.
In this case, set "Digital Output HDMI" (⇨ page 53) to "PCM". If sound still is not heard, use analog output.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

This player supports simultaneous output of video on its HDMI and component video ports. However, some discs may restrict output of video on the component video ports when viewing high definition content or up-converted DVD content. The resolution on the HDMI output will be the same as the resolution output on the component video output. Thus, because the HDMI output can change automatically to match the maximum available resolution of your display, if you connect both the HDMI output and component output, the resolution on the component output will change if the HDMI output Auto-adjusts.

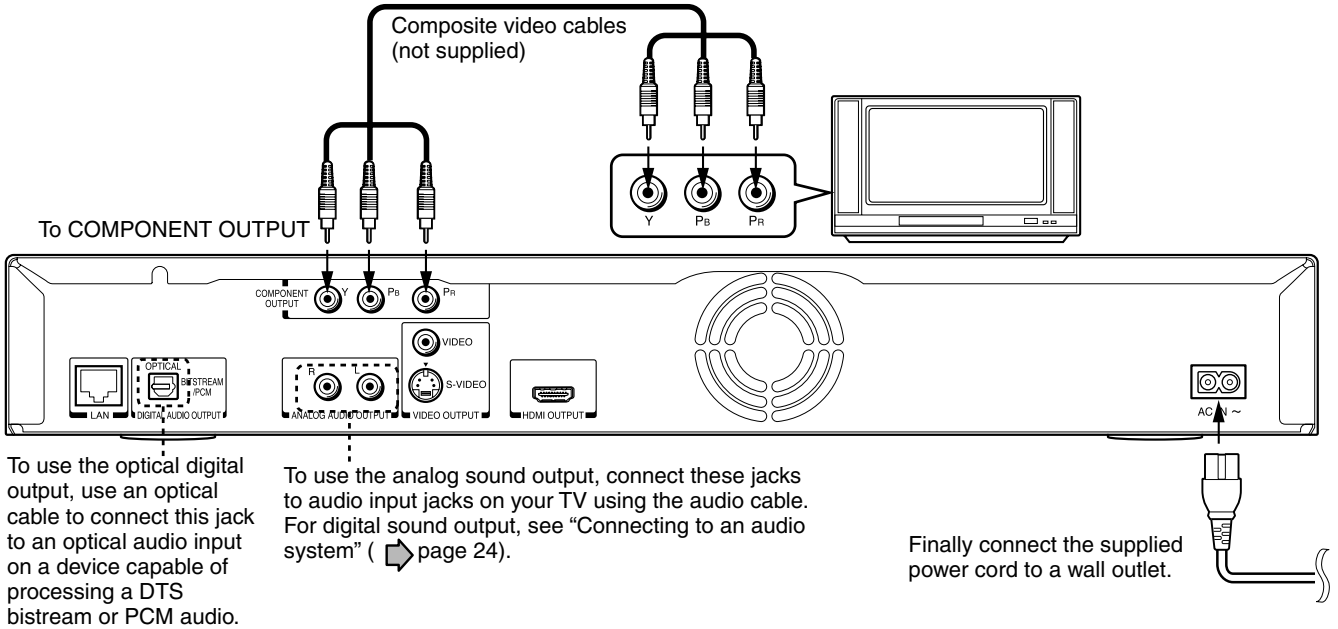
After completing the connection, proceed to ⇨ page 23 to make the setting.

Notes

- Refer to the owner's manual for the TV to be connected to this player for more information concerning HDMI connections.
- When the HDMI connection is not verified, an error message appears on the front panel display. In this case, disconnect the HDMI cable then connect it again, or turn off the connected HDMI device then turn it on.
- HDMI output is digital only, DVI analog is not supported.
- HDMI is an evolving technology, so it is possible that some devices may not operate properly with this player.
- To get the most possible benefit from Dolby Digital Plus, you should connect your HD DVD player to your AV receiver using either its HDMI audio capable input. If your AV receiver has this type of input(s), make sure one of them is connected to your HD DVD player and that the input is set to use audio from HDMI (and not the SPDIF coaxial or optical input). If your AV receiver does not have an HDMI input, but it can decode DTS, then the next best choice is to use the SPDIF (coaxial or optical) input on your AV receiver. While this connection does not have enough bandwidth to transport the full, high-quality Dolby Digital Plus signal, it will support DTS – the highest bandwidth commonly available encoding method that does work over SPDIF. If your receiver does not support DTS, you may be able to obtain a two channel digital by setting the player to output PCM. If your receiver does not have either HDMI or an optical digital input, use the two channel analog outputs.
- If you use the SPDIF optical output or analog outputs to connect your audio system and have the "Digital Output HDMI" (⇨ page 53) set to "Auto" or "PCM", the audio output level from these jacks will be reduced when listening to a multi-channel disc. To restore the audio output level, set "Digital Output HDMI" to "Downmixed PCM".

Connecting to an TV (Continued)

Via component video input



To use the optical digital output, use an optical cable to connect this jack to an optical audio input on a device capable of processing a DTS bistream or PCM audio.

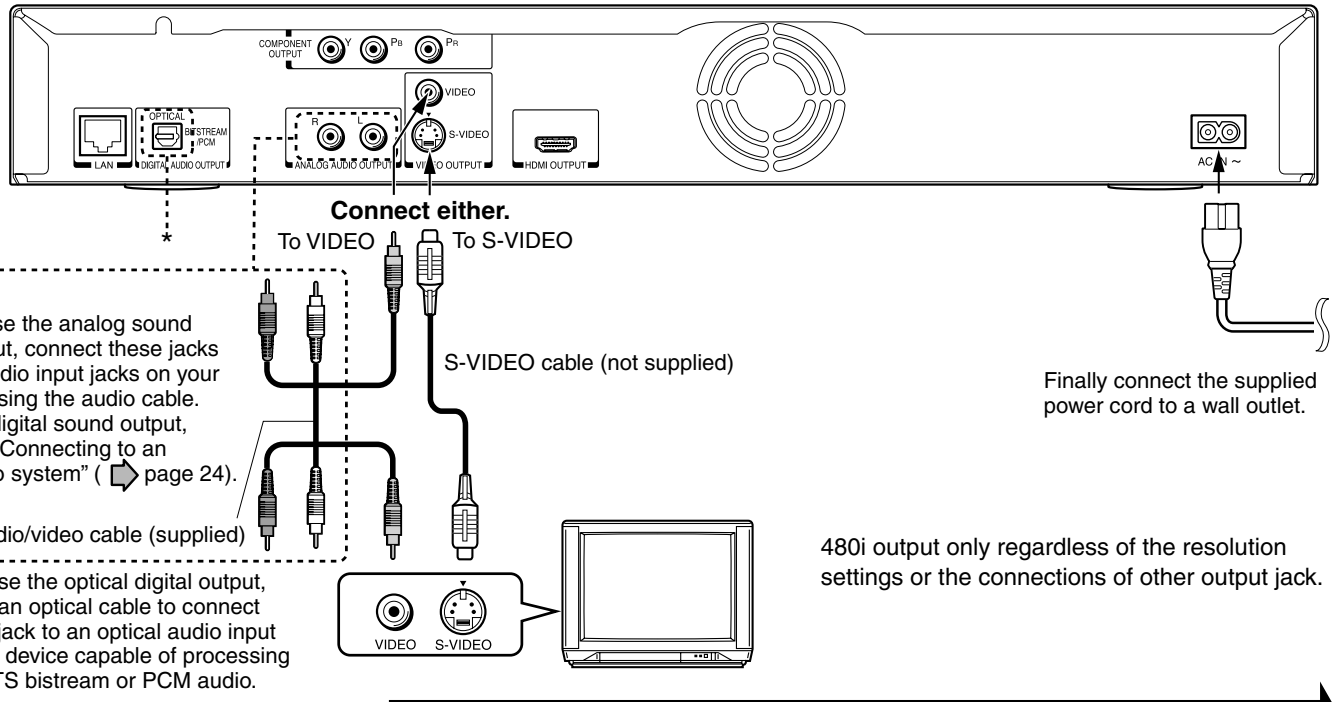
To use the analog sound output, connect these jacks to audio input jacks on your TV using the audio cable. For digital sound output, see "Connecting to an audio system" (page 24).

Finally connect the supplied power cord to a wall outlet.

This player supports simultaneous output of video on its HDMI and component video ports. However, some discs may restrict output of video on the component video ports when viewing high definition content or up-converted DVD content. The resolution on the HDMI output will be the same as the resolution output on the component video output. Thus, because the HDMI output can change automatically to match the maximum available resolution of your display, if you connect both the HDMI output and component output, the resolution on the component output will change if the HDMI output Auto-adjusts.

After completing the connection, proceed to page 23 to make the setting.

Via S-VIDEO or VIDEO (yellow) input



To use the analog sound output, connect these jacks to audio input jacks on your TV using the audio cable. For digital sound output, see "Connecting to an audio system" (page 24).

* To use the optical digital output, use an optical cable to connect this jack to an optical audio input on a device capable of processing a DTS bistream or PCM audio.

Finally connect the supplied power cord to a wall outlet.

480i output only regardless of the resolution settings or the connections of other output jack.

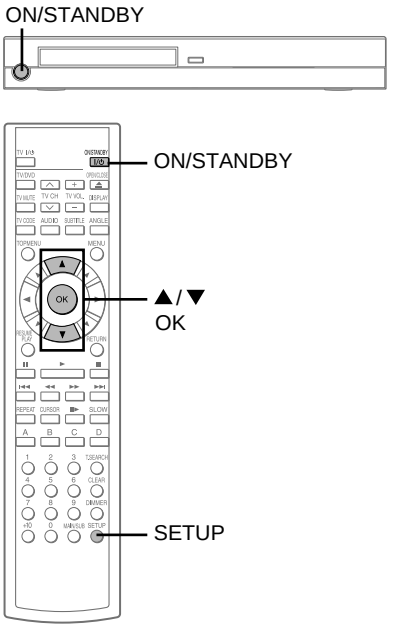
After completing the connection, proceed to page 23 to make the setting.

Step3 Configure settings for your display.

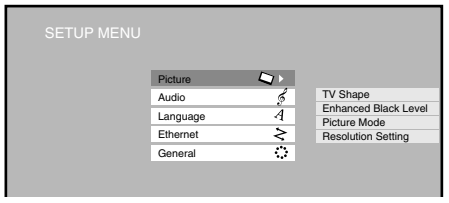
Setting of video output resolution of this player

1 Turn on the TV and select the input to which the player is connected.

2 Press **ON/STANDBY** to turn on the player (⇨ page 30).



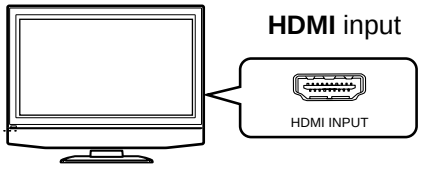
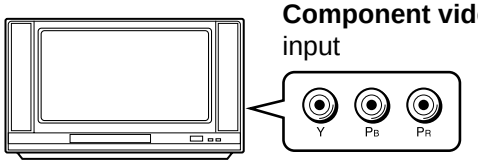
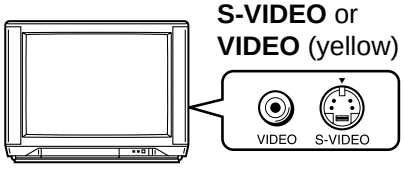
3 Press **SETUP** to display “SETUP MENU”, if not displayed.



4 Press ▲ / ▼ to select “Picture” then press **OK**.

5 Press ▲ / ▼ to select “Resolution Setting”, then press **OK**.

6 Press ▲ / ▼ to select the resolution according to the performance of your TV as shown in the table below.

TV input	“Resolution Setting”
 **HDMI** input	Select the resolution. e.g. up to 480i / up to 480p / up to 720p / up to 1080i
 **Component video** input	Select the resolution according to the performance of the connected TV. up to 480i / up to 480p / up to 720p / up to 1080i up to 480i / up to 480p / up to 720p / up to 1080i up to 480i / up to 480p / up to 720p / up to 1080i up to 480i / up to 480p / up to 720p / up to 1080i
 **S-VIDEO** or **VIDEO** (yellow) input	No need to set.

- Refer to the table on the next page for actual resolution of the player for each setting.
- You may find that setting the output resolution of the player to match as closely as possible the native resolution of your display provides the best picture performance (e.g., 720p for 720p and 1080i for 1080i or 1080p).

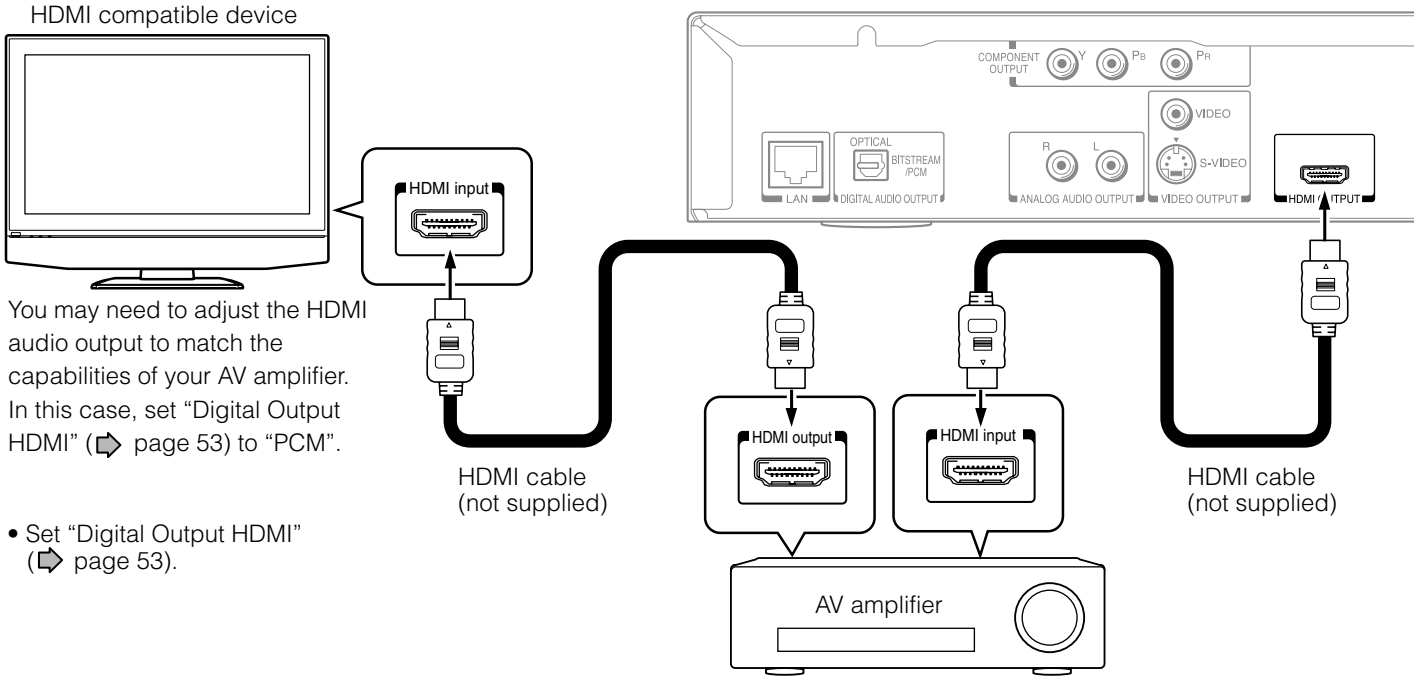
7 Press **OK**.

8 Press **SETUP** to turn off “SETUP MENU”.

Connecting to an audio system

You can enjoy the benefits of Dolby Digital Plus or Dolby TrueHD by connecting the HDMI output of your player to an AV receiver with an HDMI audio input. You can listen to down-converted Dolby Digital Plus and Dolby TrueHD as well as Dolby Digital and DTS using a receiver with Dolby Digital and DTS decoding capabilities and an optical digital input.

Via HDMI output



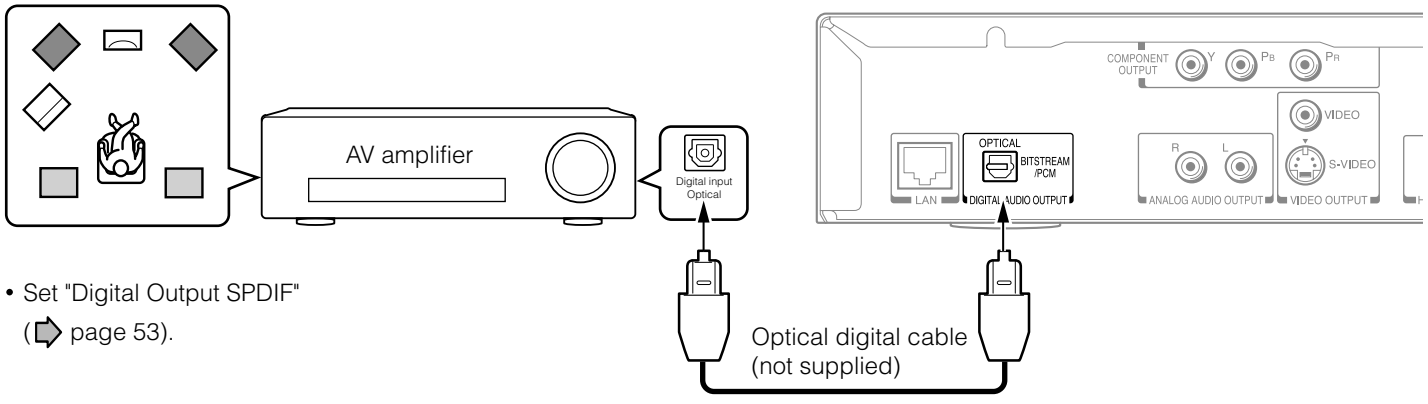
You may need to adjust the HDMI audio output to match the capabilities of your AV amplifier. In this case, set "Digital Output HDMI" (⇨ page 53) to "PCM".

- Set "Digital Output HDMI" (⇨ page 53).

Caution

- When you are connecting (via the HDMI OUTPUT jack) an AV decoder that does not have Dolby Digital or DTS decoding capability, be sure to set "Digital Output HDMI" (⇨ page 53) to "PCM" or "Downmixed PCM". Otherwise, high volume sound may damage your hearing as well as the speakers.

Via optical digital audio output



- Set "Digital Output SPDIF" (⇨ page 53).

Caution

- When you are connecting (via the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack) an AV decoder that does not have Dolby Digital, DTS or MPEG decoding capability, be sure to set "Digital Output SPDIF" (⇨ page 53) to "PCM". Otherwise, high volume sound may damage your hearing as well as the speakers.

Note about audio capabilities

- Dolby Digital Plus and DTS-HD (DTS core only) capability limited to 5.1 channels.
- DTS-HD processing of DTS core only. Full DTS-HD is not supported.

Dolby features manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

DTS features manufactured under license from Digital Theater Systems, Inc. U.S. Pat. No's. 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535 and other U.S. and world-wide patents issued and pending. "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.
Copyright 1996, 2003 Digital Theater Systems, Inc. All Rights Reserved.

3 Playback (Basic)

Play your favorite disc.

Disc compatibility
Powering on/Loading a disc
Playing a disc
Playing at various speeds

Disc compatibility

Pre-recorded discs

Disc	Specification	
HD DVD video disc	• 12cm (4 3/4 in.)	
DVD video disc	• 12cm (4 3/4 in.)/ 8cm (3 1/4 in.) • Region number 1 or ALL	The region number of this HD DVD player is 1. If region numbers, corresponding to a specific playable area, are printed on your DVD video disc and you do not find or , or the disc is encoded to permit playback only in regions other than Region 1, disc playback will not be allowed by the player.
Audio CD	• 12cm (4 3/4 in.)/ 8cm (3 1/4 in.)	

Recordable discs you can play on this player

Disc	Specification
DVD-RW Except Ver. 1.0	• DVD VR mode recording (CPRM compatible discs are not supported.) • DVD Video mode recording Finalized discs only.
DVD-R DVD-R For DL	• DVD VR mode recording (CPRM compatible discs are not supported.) • DVD Video mode recording • 4.7GB For General Finalized discs only.

Disc	Specification
CD-RW	• CD-DA (audio CD) format Finalized discs only.
CD-R	• CD-DA (audio CD) format Finalized discs only.

Notes

- Because HD DVD is a new format, disc compatibility issues with new and existing format discs are possible. Not all discs are compatible. If you experience compatibility problems, please contact Toshiba Customer Service, See ⇨ page 8 for more information about disc compatibility.
- This player can play pictures of the NTSC color system only.
- You cannot play non-standardized discs even if they may be labeled as above.
- Discs other than the above cannot be played. Even some of the above discs may not be able to be played depending on their state.
- MP3 and WMA audio formats are not supported.
- Blu-ray Discs cannot be played on this player.

HD DVD and DVD are trademarks of DVD Format/Logo Licensing Corporation.

Compatibility notes

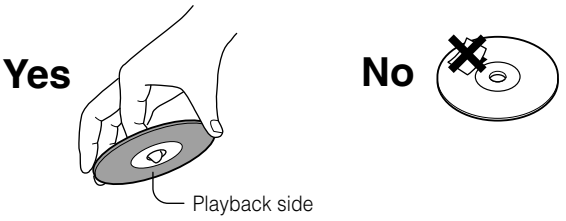
- Because HD DVD is a new format, certain disc, digital connection and other compatibility issues are possible. If you experience compatibility problems, please contact Toshiba Customer Service.
- Viewing high-definition content and up-converting standard DVD content may require an HDMI-capable input or HDCP-capable DVI input on your display device.
- Some HD DVD discs and DVD discs may restrict the use of some operation commands or features.
- Dolby Digital Plus, Dolby TrueHD and DTS-HD (DTS core only) capability limited to 5.1 channels.
- DTS-HD processing of DTS core only. Full DTS-HD is not supported.
- Some DVD-R/DVD-RW and CD-R/CD-RW discs may be incompatible due to laser pick-up and disc design.
- CD-R/CD-RW discs must be recorded using CD-DA method for CD audio playback.
- The included remote control may not operate some or all features of your TV or monitor, so it may be necessary to use your original remote control.
- Certain features are subject to delayed availability.
- This product includes memory that is used to store some disc related information, including downloaded on-line content. The disc you are using will control how long this information is retained.

Note

- The firmware in this player can be updated.
See ⇨ page 58 for details.

On handling discs

- Do not touch the playback side of the disc.
- Do not stick paper or tape to discs.



On cleaning discs

- Fingerprints and dust on the disc may cause picture and/or sound deterioration or prevent playback. Wipe the disc from the center outwards with a soft cloth. Always keep the disc clean.

- Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray for vinyl LPs. It may damage the disc.
- Refer to the instructions of the disc as well.

On storing discs

- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.
- Refer to the instructions of the disc as well.

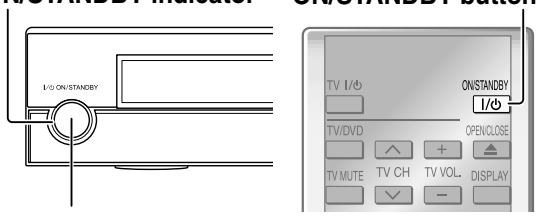
Powering on/Loading a disc

Turning the power on

1 Press I/⏻ ON/STANDBY (front panel) or ON/STANDBY (remote control).

ON/STANDBY indicator

ON/STANDBY button



ON/STANDBY button

When the power turns on, ON/STANDBY indicator on the front panel changes color from red (standby mode) to blue (operation).

Start up (and disc loading (see below)) may take time.

Turning the power off

1 Press ON/STANDBY.

The power turns off and ON/STANDBY indicator on the front panel turns red (standby mode).

When you power on this player for the first time, the setting screen will appear. Please refer to page 50 and select “General” > “Clock Set”. Check the date and time are set properly and correct them if necessary. When complete, press SETUP to exit. Your player is ready.

Note

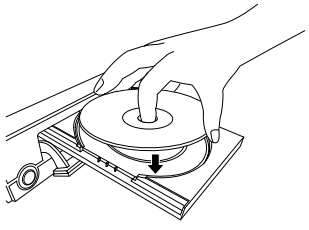
- If the player freezes for about 15 minutes or more and will not respond to any buttons, holding down ON/STANDBY button on the front panel for about 10 seconds can force the player to turn off. However, this is an emergency measure, which may cause damage to the player. Avoid casual use of this measure.

Loading a disc

1 Press ▲OPEN/CLOSE (front panel) or OPEN/CLOSE (remote control).

The player opens the disc tray.

2 Place a disc in the hollow of the disc tray with the playback side down.



When using a double-sided disc, turn the label of the playing side up.

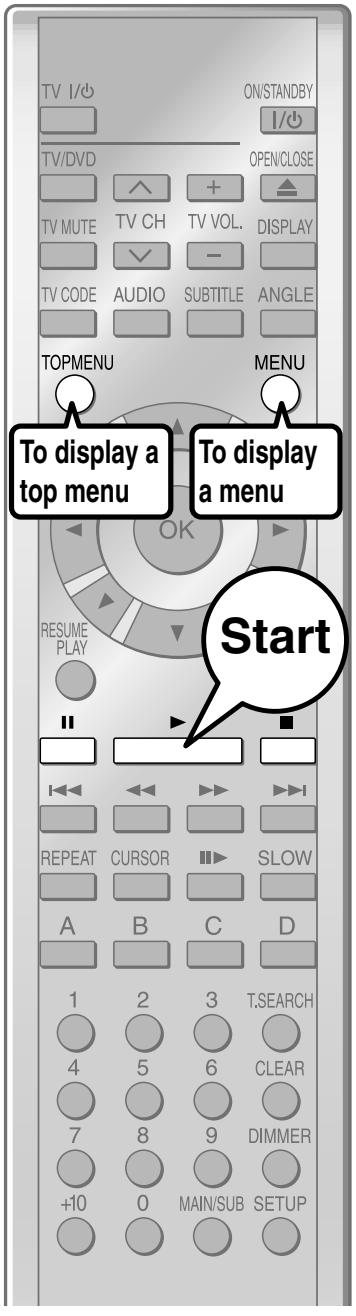
After placing a disc, press OPEN/CLOSE.

Notes

- Use the button on the front panel or the remote control to open and close the disc tray. Do not push or hold the disc tray while it is moving. Doing so may cause the player to malfunction.
- Do not load a disc which is unplayable, or any object other than a playable disc.
- Do not apply downforce to the disc tray. Doing so may cause the player to malfunction.
- If the disc tray stops while closing, the mechanical protection system of this player will open it. Do not force it to close. Doing so may damage the disc tray.
- If the disc tray will not open, turn the player off, and press OPEN/CLOSE on the front panel. This may turn the player on and open the disc tray. If it still won’t open, contact TOSHIBA Customer Support.

Playing a disc

HD DVD | DVD-Video | DVD-RW | DVD-R | CD | CD-RW (CD-DA) | CD-R (CD-DA)



Preparation

1 **Turn on the TV or audio system and select the corresponding input source that the player is connected to.**

2 **Turn the power on. (⇨ page 30)**

1 Load a disc and close the disc tray. (⇨ page 30)

Playback starts.

- **If playback does not start**
  Press ►.

HD DVD | **DVD-Video**

If a loaded disc contains a top menu, a top menu appears when you start playback.
Depending on the disc, you may need to press TOPMENU or MENU to display a top menu.
(“Playing from the top menu”, ⇨ page 32)

DVD-RW | **DVD-R**

If a loaded disc contains a title menu, you can display it to select a desired title.
(“Playing from a recorded title menu”, ⇨ page 32)

CD | **CD-RW (CD-DA)** | **CD-R (CD-DA)**

Playback starts automatically.

Stopping playback / Pausing playback

Press ■.

Playback stops.

During playback, press ❚❚.

Playback pauses.
To resume, press ►.

Playing a disc (Continued)

Playing from the top menu

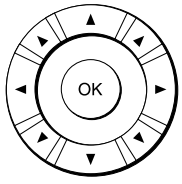
HD DVD | DVD-Video

Some discs may include a top menu, on which you can view the structure of contents or select a scene.

1 **Press TOPMENU.**

A top menu appears.

2 **Press ▲/▼/◀/► to select the title you want.**



If the titles in the top menu are assigned a number, you can directly locate a specific title by pressing its designated number with the number buttons.

3 **Press OK.**

Playback starts from chapter 1 of the selected title.

Notes

- The instructions above describe basic procedures which may vary depending on the contents of a disc. If different instructions appear on the TV screen, follow those instructions.
- If you display the top menu during playback and press TOP MENU button again without selecting any title, the player may resume playback from the point where you first pressed TOP MENU button (depending on the actual disc.)
- This method of locating a title is available only on a disc that contains a top menu.
- Instruction notes of discs may refer to the button that displays the top menu as TITLE button.
- Depending on a disc, MENU button may have to be pressed instead of TOP MENU button to display the top menu.

Using A/B/C/D buttons

HD DVD

Use these buttons as indicated by the video display during HD DVD disc playback. Depending on the disc contents, the functions of each button may differ.

Playing from a menu in a recorded disc

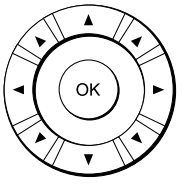
DVD-RW | DVD-R

Discs recorded on personal devices such as DVD recorders may contain menus, on which items can be easily selected.

1 **Press MENU.**

Recorded contents are displayed.

2 **Press ▲/▼/◀/► to select the item you want.**



3 **Press OK.**

Playback of the selected item starts.

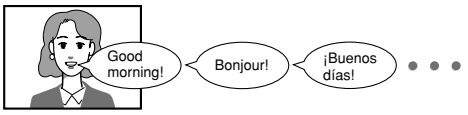
Notes

- Disc menus vary depending on the disc or the recording device. Some discs may not contain a disc menu.
- Discs recorded in DVD VR mode display the recorded contents not in thumbnails but in a list. Select an item on the list and press OK button.

Selecting the sound

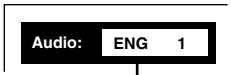
HD DVD | DVD-Video | DVD-RW | DVD-R

If a disc contains several languages, you can select a preferred language from them to hear.



1 During playback, press AUDIO.

e.g.



Language code (page 59)

Some HD DVD video discs may not display this window.

2 Press AUDIO while the audio setting is displayed on the TV screen.

Notes

- Some discs allow you to change audio selections only via the disc menu. If this is the case, press MENU button and choose the appropriate language from the selections on the disc menu.
- When you turn on the player or replace a disc, the player returns to the initial default setting (page 54). Depending on a disc, a specific type of audio the disc has is output.

Selecting the sound of a disc recorded in DVD VR mode

DVD-RW | DVD-R (DVD VR mode)

When playing a disc recorded in DVD VR mode, select the sound as follows.

1 During playback, press AUDIO.

- The current audio setting appears.
- The language code appears instead of the language name. Refer to the list of languages and their abbreviations. (page 59)

2 Press AUDIO while the audio setting is displayed on the TV screen.

Depending on the disc or the type of broadcast, variation of sound differs.

● DVD-RW | DVD-R

Stereo sound contents

"Stereo" or "LR" (Left main channel and right sub channel) → "L" (Left main channel) → "R" (Right sub channel) → Back to "Stereo" or "LR".

SAP sound contents

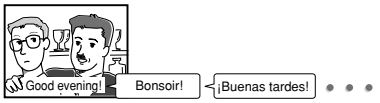
"Main" → "Sub" → "Main and Sub" → Back to "Main".

Playing a disc (Continued)

Selecting subtitles

HD DVD | DVD-Video

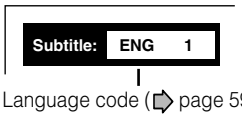
You can display subtitles on the TV and select a subtitle language from those included on the disc.



1 Press SUBTITLE during playback.

The current subtitle setting appears.

e.g.



Language code (⇨ page 59)

Some HD DVD video discs may not display this window.

Each time you press ◀/▶, "On" and "Off" alternate. Select "On" to view subtitles.

2 Press SUBTITLE while the subtitle setting is displayed on the TV screen.

Subtitle languages which do not appear in the setting are not included in the disc.

Notes

- Some discs are set to display subtitles automatically.
- Depending on the scene, subtitles may not appear immediately after you set the subtitle function to on.
- Some discs will allow you to change subtitle languages and turn subtitles on or off only via the disc menu.
- When you turn on the player or replace a disc, the player returns to the initial default setting (⇨ page 54). Depending on a disc, a specific type of subtitles the disc has is output.
- Depending on the scene, the subtitle language may not change immediately after selected.

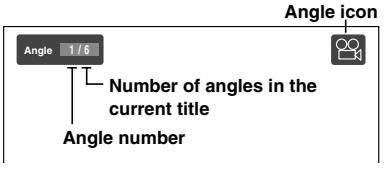
Selecting the camera angle

HD DVD | DVD-Video

If the scene was recorded with multiple angles, you can easily change the camera angle of the scene you are watching.

1 Press ANGLE while playing a scene recorded with multiple angles.

While playing a scene recorded with multiple angles, the angle icon appears on the TV screen and on the front panel. Press ANGLE button while the angle icon is displayed.



Some HD DVD video discs may not display this window.

2 While the angle number is displayed, press ANGLE repeatedly to select the angle number.

Notes

- You can also change the camera angle during still playback. The camera angle changes to the new setting when you resume normal playback.
- If you pause a picture immediately after changing a camera angle, the resumed playback picture may not display the new camera angle.

Playing at various speeds

HD DVD | DVD-Video | DVD-RW | DVD-R | CD | CD-RW (CD-DA) | CD-R (CD-DA)

Skipping chapters or tracks

Playback starts from the beginning of the current chapter or track. When you press twice, playback starts from the beginning of the previous chapter or track.

Page 36

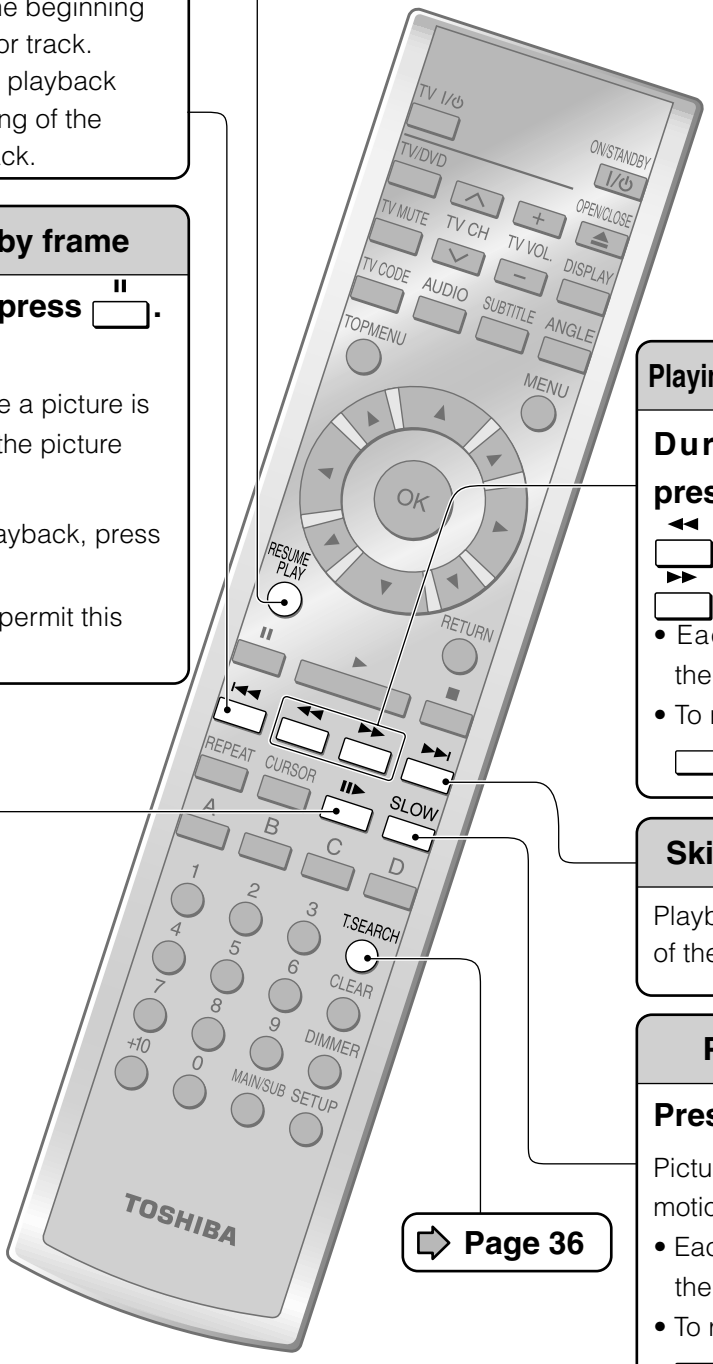
Playing frame by frame

During playback, press II.

Picture pauses.

If you press II► while a picture is paused, you can play the picture frame by frame.

- To resume normal playback, press ►.
  Some discs may not permit this operation.



Playing in fast reverse or fast forward

During normal playback, press ◄◄/►►.

◄◄ : Fast reverse playback

►► : Fast forward playback

- Each time you press the button, the playback speed changes.
- To resume normal playback, press ►.

Skipping chapters or tracks

Playback starts from the beginning of the next chapter or track.

Page 36

Playing in slow-motion

Press SLOW during playback.

Picture is played forward in slow-motion.

- Each time you press the button, the slow-motion speed changes.
- To resume normal playback, press ►.
- Not available in CD playback.

Playing at various speeds (Continued)

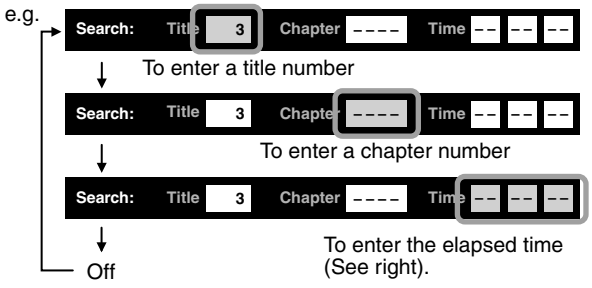
Locating by entering a section number

HD DVD | DVD-Video | DVD-RW | DVD-R | CD | CD-RW (CD-DA) | CD-R (CD-DA)

Normally titles, chapters, and tracks are numbered. By entering these numbers, you can access a desired section.

1 Press T.SEARCH repeatedly to select the area you want to input.

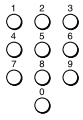
e.g.


Search: Title 3 Chapter ---- Time -- -- --
To enter a title number
Search: Title 3 Chapter ---- Time -- -- --
To enter a chapter number
Search: Title 3 Chapter ---- Time -- -- --
To enter the elapsed time (See right).
Off

• The actual display may vary depending on the disc.

The cursor shifts also by ◄/►.

2 Press the number buttons to enter a number of the section.



e.g. To enter chapter/track 25:

Press 2, then press 5.

• Pressing CLEAR resets the numbers. To turn off the display, press T.SEARCH several times (depending on the disc).

3 Press OK.

Playback starts from the selected section.

Locating by entering elapsed time

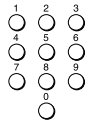
HD DVD | DVD-Video | DVD-RW | DVD-R | CD | CD-RW (CD-DA) | CD-R (CD-DA)

1 Press T.SEARCH.

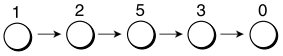
You may have to press repeatedly, depending on a disc. Press the button until the cursor moves to "-- -- --" area.

e.g.

2 Press the number buttons to enter the desired time location on the disc.



e.g. To enter 1 hour, 25 minutes, and 30 seconds



• Pressing CLEAR resets the numbers.

3 Press OK.

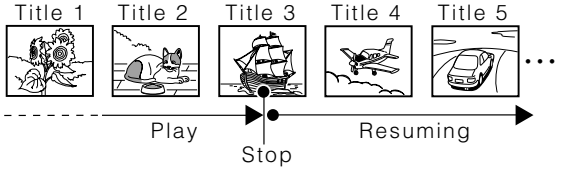
Playback starts from the specified location.

Notes

• Some discs may not permit these operations.
• While the ADV indicator on the front panel illuminates, these features are not available.

Resuming playback from the location last stopped (Title resume)

HD DVD



You can resume playback from the location last stopped.

If you press RESUME PLAY after stopping playback, playback starts from the location last stopped.

If you press ■ after stopping playback, the resume feature is canceled.

Notes

• Resume feature cannot function when:
  – you select a disc menu language (⇨ page 54) or change the parental lock setting (⇨ page 56).
  – you open the disc tray.
• There may be a difference in the location where playback resumes depending on the disc.
• It is possible to change the setting from the setup menu while the player retains a location in memory, however, the new setting can be valid only after the player clears the location memory, i.e., starts resume playback.
• Some discs or scenes may not permit this operation.
• While the ADV indicator on the front panel illuminates, this feature is not available.

4 Playback (Advanced)

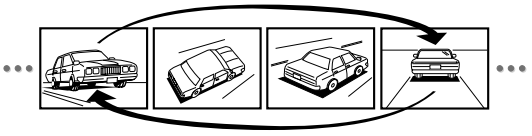
Playback variations and other functions.

Repeat playback
EXTENSION ports
Using the cursor function
Checking the current status and settings

Repeat playback

	DVD-Video	DVD-RW
DVD-R	CD	CD-RW (CD-DA)
CD-R (CD-DA)		

You can repeat a desired section.



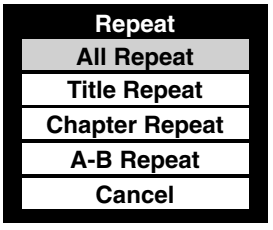
1 Press REPEAT.

The repeat modes are listed.

2 Press ▲/▼ to select the repeat mode.

(The selections on the list vary depending on category or status of a disc.)

e.g.



All Repeat:
Repeats the entire disc.
(Not available in playback of a disc recorded in DVD VR mode.)

Title Repeat:
Repeats the same title.

Chapter Repeat:
Repeats the same chapter.

Track Repeat:
Repeats the same track.

Disc Repeat:
Repeats the entire disc.

A-B Repeat:
Repeats the specified segment.
Select and press OK.
Perform step 1) and 2) below and skip step 3.

1) While the above display appears, press OK at a start point of a segment where you want to repeat.

The display changes to "B Point".

2) Press OK at an end point of a segment where you want to repeat.

Playback returns to the point A and repeats between A and B.

3 Press OK.

Repeat playback starts.

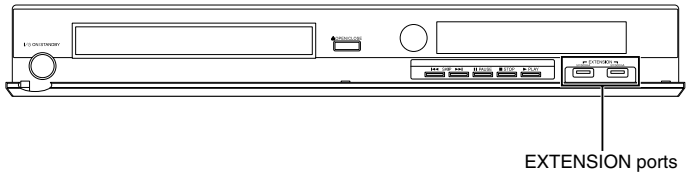
Notes

- Some discs may not permit repeat playback operation.
- You can cancel repeat playback also by pressing ■.

EXTENSION ports

HD DVD

The EXTENSION ports may be used in the future for additional control options.



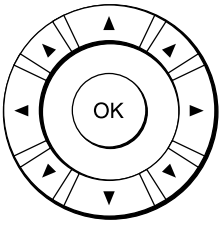
Using the cursor function

HD DVD

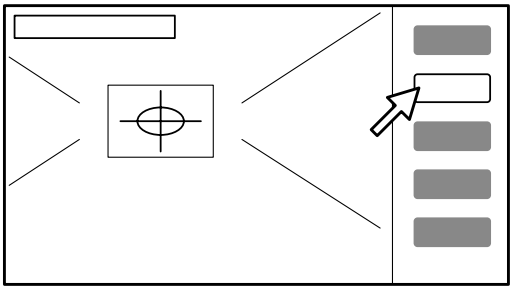
Future HD DVD discs may include game software and drawing software. If they do you can use the cursor function for some software.

1 Press CURSOR while a disc with support for cursor use is playing.

2 Use the eight direction buttons to move the cursor.



Example: Game/drawing software



Move the cursor to select the game target or selection item. For details on actual operations, also refer to the operations guide for the disc.

Checking the current status and settings

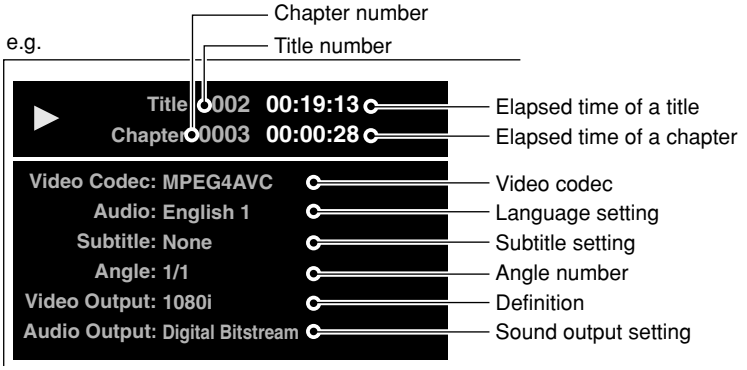
HD DVD | DVD-Video | DVD-RW | DVD-R | CD | CD-RW (CD-DA) | CD-R (CD-DA)

You can confirm operational status and setting details.

1 Press DISPLAY.

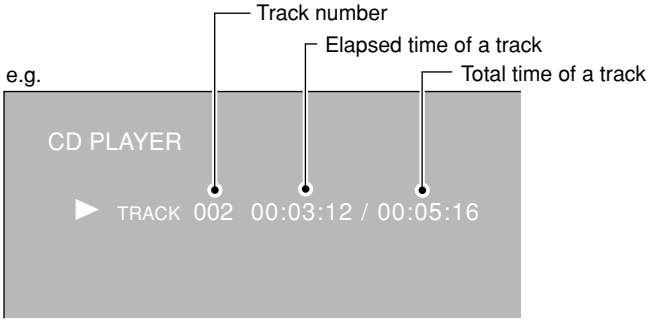
The following on-screen display appears.
(The actual display varies depending on the disc.)

HD DVD | DVD-Video | DVD-RW | DVD-R



*The subtitle setting shows a language code (page 59).

CD | CD-RW (CD-DA) | CD-R (CD-DA)



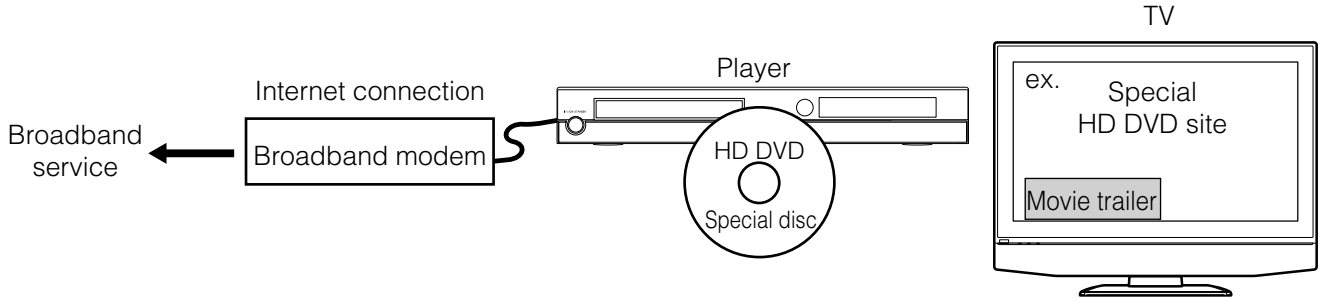
5 Internet connection

Connect to a network with an always-on broadband connection and use special content.

Internet connection feature (Outline)
Internet connection feature (Preparation)
Internet connection feature (Operation)

Internet connection feature (Outline)

You may use the internet connection feature to update the player's firmware. See ⇨ page 58.
Future HD DVD discs may enable you to access special HD DVD sites, if you connect the player to the Internet via an always-on broadband connection. For example, if an HD DVD site includes content such as links to future movie trailers, you can watch the content on the player via the Internet.
You do not need to connect to a PC to use this function.



Before using

- Before using this feature, please read and understand the important information in "Notes".
- This feature requires an always-on broadband internet connection.
- An HD DVD disc compatible with this feature is required. Not all HD DVD discs are compatible.

Connection requirement

Always-on broadband internet connection.

Notes

- Toshiba is not responsible for any malfunction of the player and/or the internet connection feature due to communication errors/malfunctions associated with your broadband internet connection, or other connected equipment.
- Toshiba is not responsible for any trouble in your internet connection.
- If you wish to use a wireless network to connect the player, you will need to use a wireless LAN ethernet adapter to connect the player to the network.
- The features of HD DVD discs made available through the Internet Connection feature are not created or provided by Toshiba, and Toshiba is not responsible for their functionality or continued availability. Some disc related material available by the Internet Connection may not be compatible with this player. If you have questions about such content, please contact the producer of the disc.
- Some internet contents may require a higher bandwidth connection.

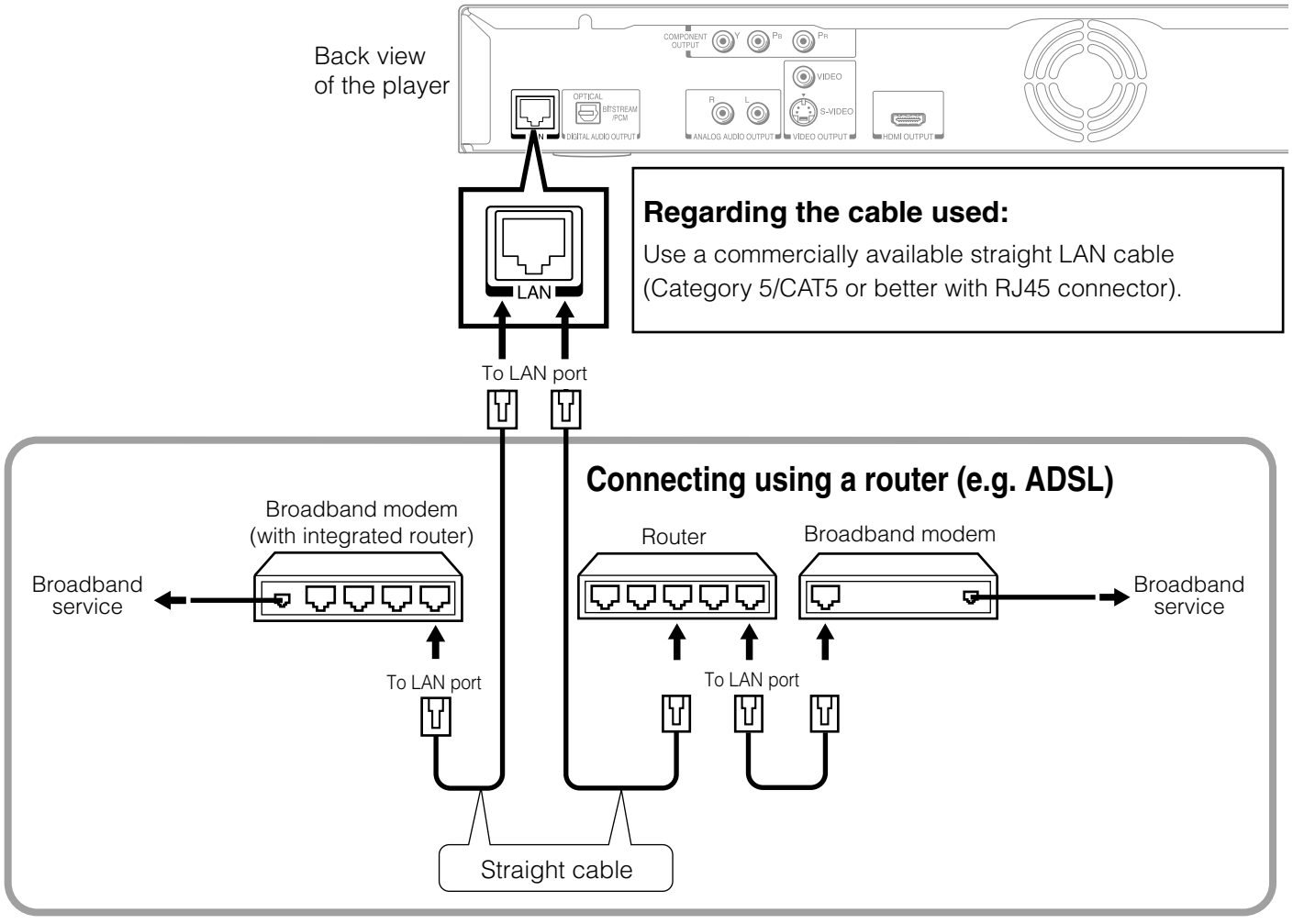
- Even if the player is properly connected and configured, some internet contents may not operate properly because of internet congestion, the quality or bandwidth of your internet service, problems at the provider of the content or compatibility issues.
- Some internet connection operations may not be possible due to certain restrictions set by the Internet service provider (ISP) supplying your broadband Internet connection.
- Any fees charged by an ISP including, without limitation, connection charges are your responsibility.
- A 10 Base-T or 100 Base-TX LAN port is required for connection to this player. If your internet service does not allow for such a connection, you will not be able to connect the player.
- A DSL modem is required to use DSL service and a cable modem is required to use cable modem service. Depending on the access method of and subscriber agreement with your ISP, you may not be able to use the internet connection feature contained in this player or you may be limited to the number of devices you can connect at the same time. (If your ISP limits subscription to one device, this player may not be allowed to connect when a PC is already connected.)
- The use of a “Router” may not be allowed or its usage may be limited depending on the policies and restrictions of your ISP. For details, contact your ISP directly.

Internet connection feature (Preparation)

HD DVD

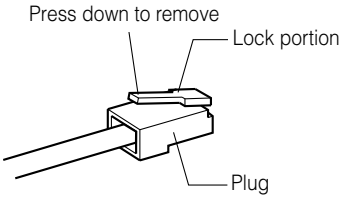
Connect the player to the Internet via an always-on broadband connection. In addition to accessing special HD DVD sites, this function is used when updates are available for the control program (firmware) of the player.

Connection



Caution

- When plugging or unplugging the LAN cable, hold the plug portion of the cable. When unplugging, do not pull on the LAN cable but unplug while pressing down on the lock.
- Do not connect a modular phone cable to the LAN port.
- Since there are various connection configurations, please follow the specifications of your telecommunication carrier or internet service provider.



Note

- Depending on the internet service provider (ISP), the number of devices that can receive internet service may be limited by the applicable terms of service. For details, contact your ISP.

Internet connection setting procedure (Outline)

1st DHCP setting
- Set “DHCP” to “On”.
  The network information is automatically set.
- Set “DNS” to “On”.
  The DNS server is obtained automatically from the DHCP server.

If a connection cannot be established even if “DHCP” is set to “On”.
- Set “DHCP” to “Off”.
  Set “IP Address”, “Subnet Mask”, and “Gateway” manually.
- Set “DNS” to “Off”.
  Set the DNS server address manually.

2nd Proxy setting
If the provider you are using requires a proxy setting to be configured, set the corresponding proxy server address.

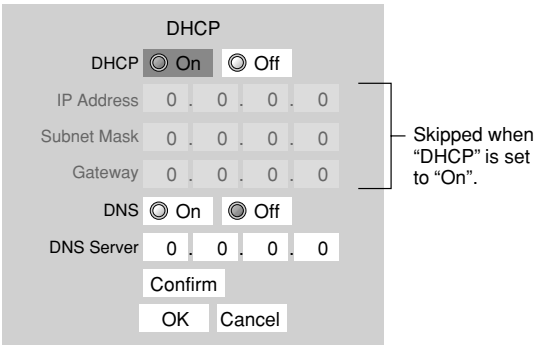
3rd NTP Server setting
The player automatically accesses an internet server to adjust its clock via the network time protocol.

4th Network Speed setting
Select the speed according to the specification of your LAN.

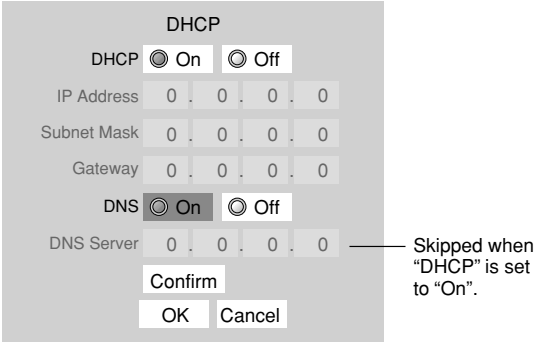
5th Cookie setting
Select whether you accept “cookies” or not.

1st DHCP setting

1 Press SETUP button.
“SETUP MENU” appears.
2 Press ▲/▼ buttons to select “Ethernet”, then press OK button.
3 On “Ethernet” menu, press ▲/▼ buttons to select “DHCP” then press OK button.
4 Set “DHCP” to “On”, then press OK button.


DHCP
DHCP On Off
IP Address 0 . 0 . 0 . 0
Subnet Mask 0 . 0 . 0 . 0
Gateway 0 . 0 . 0 . 0
DNS On Off
DNS Server 0 . 0 . 0 . 0
Confirm
OK Cancel
Skipped when “DHCP” is set to “On”.

5 Set “DNS” to “On”, then press OK button.


DHCP
DHCP On Off
IP Address 0 . 0 . 0 . 0
Subnet Mask 0 . 0 . 0 . 0
Gateway 0 . 0 . 0 . 0
DNS On Off
DNS Server 0 . 0 . 0 . 0
Confirm
OK Cancel
Skipped when “DHCP” is set to “On”.

6 Select “Confirm”, then press OK button.
Confirming starts.
If the setup is successful, an IP address appears.
Press OK button.

If the setup is not successful:

a) Set “DHCP” to “Off” then press OK button.
b) Input the addresses into “IP Address”, “Subnet Mask” and “Gateway” using the number buttons.

IP Address	This sets a different address within the same subnet of the PC on your network. e.g.: If the IP address of the PC is 192.168.1.10, set 192.168.1.15 (or some other unused address).
Subnet Mask	This sets the subnet mask of the network environment that will be connected. e.g.: 255.255.255.0
Gateway	This sets the gateway used by the player (e.g.: 192.168.1.1).

c) Set “DNS” to “Off” then press OK button.
d) Input the address into “DNS Server”.
This sets the DNS server to be used by the player.
e.g.: 192.168.1.1
e) Press OK button.

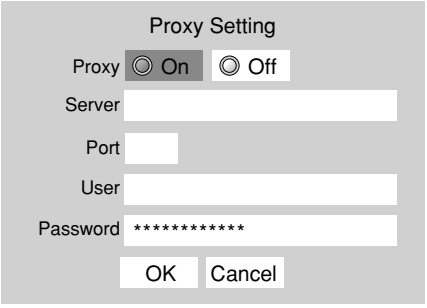
Internet connection feature (Preparation) (Continued)

2nd Proxy Setting

Enter the proxy server address when your provider requires proxy setting.

1 On “Ethernet” menu, press ▲/▼ buttons to select “Proxy setting” then press OK button.

2 Set “Proxy” to “On” then press OK button.



3 Press ▲/▼/◀/▶ buttons to input.
Server: Enter the specified data from the provider.
Port: Enter the specified data from the provider.
User: Enter the specified data from the provider.
Password: Enter the specified data from the provider.

4 Select “OK” then press OK button.

3rd NTP Server setting (Clock adjustment setting)

1 On “Ethernet” menu, press ▲/▼ buttons to select “NTP Server” then press OK button.

2 Select “On” or “Off” by pressing ▲/▼ buttons.

On	The player automatically accesses an internet server to adjust time protocol.
Off	The player does not access an internet server to adjust its clock.

3 Select “OK” then press OK button.

4th Network Speed setting

Select your network speed.

1 On “Ethernet” menu, press ▲/▼ buttons to select “Network Speed” then press OK button.

2 Select the speed by pressing ▲/▼ buttons.

3 Select “OK” then press OK button.

5th Cookie Setting

Select whether you wish to accept “cookies” or not.

1 On “Ethernet” menu, press ▲/▼ buttons to select “Cookie Setting” then press OK button.

2 Select “Accept” or “Not Accept” by pressing ▲/▼ buttons.

Accept	Cookies are accepted.
Not Accept	Cookies are rejected. This may disable some services on web pages.

3 Select “OK” then press OK button.

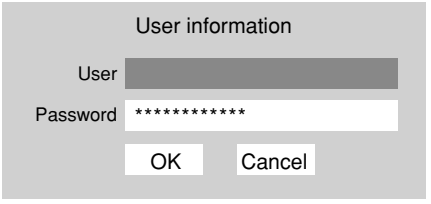
Note

- If you elect to accept “cookies”, the HD DVD internet services you use may record or track information about your use of the player and/or those sites. If you do not choose to allow cookies, some or all features of a site may not properly function.

■ User information setting

Although not directly related to the Internet connection, some HD DVD discs may require the following settings to be configured.

1 On “Ethernet” menu, press ▲/▼ buttons to select “User Information” then press OK button.



2 Select “User” then press OK button.

3 Input characters by pressing ▲/▼ buttons.
To shift the position, press ◀/▶ buttons.
Press OK button.

4 Select “Password” then press OK button.
Input your password in the same manner as step 3.
Press OK button.

5 Select “OK” then press OK button.

- Use a password that others cannot easily guess.
- Do not use the same password you use for other services.

■ Mac Address

Displays the MAC address of the player.

It cannot be changed.

1 On “Ethernet” menu, press ▲/▼ buttons to select “Mac Address” then press OK button.
The MAC address appears.

Notes

- Please contact the router manufacturer when the router DHCP feature is not operating properly (in such a case, an error will occur since the default gateway and the DNS server IP address cannot be obtained).
- The firmware in this player is updateable. See ⇨ page 58 for information.
- Some applications may require additional bandwidth.

Internet connection feature (Operation)

HD DVD

Preparation

Connect and configure the player to access the Internet beforehand (⇨ pages 44 to 46).

1 Insert the HD DVD disc and close the tray.

The disc begins to play.

If the disc does not begin to play, press ►.

2 Select an item from the menu.

- If the menu does not appear, press TOPMENU or MENU.
- To select an item, use the direction buttons to select the item and press OK.

6 Others

This chapter includes details on setting items and information on troubleshooting problems.

Customizing the function settings
Language code list
Output sound conversion table
License information on the software used in the TOSHIBA HD DVD player
Before calling service personnel
Specification
Limited United States Warranty
INFORMATION ON CUSTOMER SUPPORT

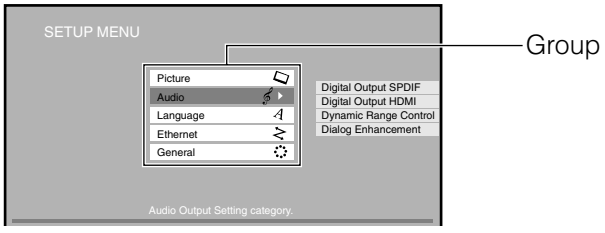
Customizing the function settings

You can change the default settings to customize performance to your preference.

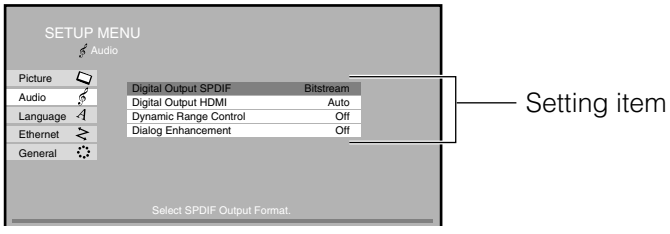
1 During stop, press SETUP.

"SETUP MENU" appears.

2 Press ▲/▼ to select the group that contains a desired item, then press OK.



3 Press ▲/▼ to select the setting item, then press OK.



4 Refer to the explanations on pages beginning from 52, to change the selection by ▲/▼ or other buttons, then press OK.

5 Repeat step 3 and 4 to set other items if necessary.

6 Press SETUP.

"SETUP MENU" disappears and the setting is completed.

Group	Setting	Disc	Details	Page
Picture	TV Shape	HD DVD, DVD-Video, DVD-RW, DVD-R, CD	To select a picture size according to the aspect ratio of your TV.	52
	Enhanced Black Level	HD DVD, DVD-Video, DVD-RW, DVD-R	To select the black level (0 IRE or 7.5 IRE).	52
	Picture Mode	HD DVD, DVD-Video, DVD-RW, DVD-R	To select the system of output signal corresponding to playback source. (Only when connected to a PROGRESSIVE TV.)	52
	Resolution Setting	HD DVD, DVD-Video, DVD-RW, DVD-R	To select the resolution of the player's output, according to the connected TV.	23
Audio	Digital Output SPDIF	HD DVD, DVD-Video, DVD-RW, DVD-R, CD, CD-RW (CD-DA), CD-R (CD-DA)	To select the output sound format when connecting the DIGITAL AUDIO OUTPUT jack.	53
	Digital Output HDMI	HD DVD, DVD-Video, DVD-RW, DVD-R, CD, CD-RW (CD-DA), CD-R (CD-DA)	To select the output sound format when connecting the HDMI OUTPUT jack.	53
	Dynamic Range Control	HD DVD, DVD-Video, DVD-RW, DVD-R	To turn on or off a function that makes faint sounds easier to hear even if you lower the volume during late-hour playback.	53
	Dialog Enhancement	HD DVD, DVD-Video, DVD-RW, DVD-R, CD, CD-RW (CD-DA), CD-R (CD-DA)	To turn on or off a function that increases dialog volume of a DVD video disc playback.	53
Language	Disc Menu Language	HD DVD, DVD-Video	To select a preferred language for disc menus.	54
	Subtitle Language	HD DVD, DVD-Video	To select a preferred language for subtitles.	54
	Audio Language	HD DVD, DVD-Video	To select a preferred language for the sound track.	54
	On Screen Language	HD DVD, DVD-Video, DVD-RW, DVD-R, CD, CD-RW (CD-DA), CD-R (CD-DA)	To select a preferred language for on-screen displays.	55
Ethernet		HD DVD	To set up internet connection feature.	45
General	Parental Lock	HD DVD, DVD-Video	To turn the parental lock function on or off.	56
	Clock Set	HD DVD, DVD-Video, DVD-RW, DVD-R, CD, CD-RW (CD-DA), CD-R (CD-DA)	To set the clock of the player.	57
	OSD On/Off	HD DVD, DVD-Video, DVD-RW, DVD-R, CD, CD-RW (CD-DA), CD-R (CD-DA)	To activate or deactivate the operational status display on the TV screen.	57
	Remote Controller Sound	HD DVD, DVD-Video, DVD-RW, DVD-R, CD, CD-RW (CD-DA), CD-R (CD-DA)	To turn on or off the confirmation beeper announcing when each remote command is received.	57
	Screen Saver	DVD-Video, DVD-RW, DVD-R, CD, CD-RW (CD-DA), CD-R (CD-DA)	To turn on or off the screen saver (screen protection to prevent image burn).	57
	Maintenance	HD DVD, DVD-Video, DVD-RW, DVD-R, CD, CD-RW (CD-DA), CD-R (CD-DA)	To reset player options to factory defaults or check for firmware updates.	58
	Twin Format Disc	HD DVD	To select the layer to play of an HD DVD Twin Format Disc. (Not available while a disc is loaded.)	58

Customizing the function settings (Continued)

Picture

TV Shape

16:9

Select when a 16:9 wide TV is connected.

4:3

Select when a standard 4:3 TV is connected.
Displays pictures cropped to fill your TV screen. Both of the picture's sides are cut off.

4:3 Letter Box

Select when a standard 4:3 TV is connected.
Displays theatrical images with masking bars above and below the picture.

Notes

- When an HD DVD disc or a DVD video disc has a particular available picture shape, the contents may not be compatible with other picture shapes.
- DVD video discs containing 4:3 picture only always display 4:3 pictures regardless of this setting.
- If "16:9" is selected while connecting a 4:3 TV, playback pictures may be distorted horizontally or shrink vertically. Make this setting according to your TV shape.
- Actual picture shape may depend on signal types of broadcasts or input sources, or settings on the connected TV. Refer to the owner's manual of your TV.

Enhanced Black Level

You can adjust the black level of the output signal.

On

To display deeper, richer black than in "Off" setting. (0 IRE)

Off

Normal black level. (7.5 IRE)

Picture Mode

There are two types of source content in pictures recorded in DVD video discs: film content (pictures recorded from films at 24 frames per second) and video content (video signals recorded at 30 frames per second). Make this selection according to the type of content being viewed.

Film

The player converts film content pictures in the progressive output format appropriately. Suitable for playback of film content pictures.

Video

The player filters video signal, and converts it in the progressive output format appropriately. Suitable for playback of video content pictures.

Auto

Select this position normally. The player automatically detects source content, film or video, of playback source, and converts that signal in the progressive output format in an appropriate method.

Note

- The player may not be able to detect the source (film or video) of some material. If you notice undesirable picture performance, try selecting "Film" or "Video".

Resolution Setting

See ⇨ page 23.

Audio

Digital Output SPDIF

Selects the output sound format by the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack on this player.

For details about output sound selection, see ⇨ page 60.

Bitstream

Select this when an AV receiver or processor equipped with built-in Dolby Digital, DTS or MPEG decoder is connected to this player.

When you play a disc recorded in Dolby Digital or DTS format, digital audio signal (bitstream audio) is output. When you play a disc recorded in Dolby Digital Plus, Dolby TrueHD or DTS-HD, the sound is converted to a DTS bitstream. If the AV receiver or processor does not support DTS, select "PCM".

PCM

Select this when a 2 channel digital stereo amplifier is connected to this player.

When you play an HD DVD or DVD video disc recorded in Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS or DTS-HD format, sound is converted into PCM (2 channel) format.

Digital Output HDMI

Select the output sound format when a device equipped with an HDMI terminal is connected to the HDMI OUTPUT jack on this player.

For details about output sound selection, see ⇨ page 60.

Auto

Select this when an HDMI device equipped with built-in Dolby Digital, DTS, MPEG or linear PCM decoder is connected to this player.

When you play a disc recorded in Dolby Digital Plus, Dolby TrueHD or DTS-HD, PCM is output (core only for DTS-HD).

When you play a disc recorded in Dolby Digital or DTS format, digital audio signal (bitstream audio) is output.

If a connected HDMI device does not support Dolby Digital, DTS or MPEG, sound is converted into linear PCM to output.

PCM

Select this when an HDMI device which has multi channel input is connected to this player.

When you play an HD DVD or DVD video disc recorded in multi channel in Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS or DTS-HD format, the sound is decoded and output in multi channel in linear PCM format.

Downmixed PCM

Select this when a 2 channel digital stereo AV receiver or processor is connected to this player.

When you play a DVD video disc recorded in Dolby Digital, DTS, MPEG1 or MPEG2 format, sound is converted into PCM (2 channel) format to output.

Note

- Setting “Auto” or “PCM” will reduce output level of multi channel sound from the ANALOG AUDIO OUTPUT jacks and the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack if you:
  - view the playback picture on an HDMI TV connected to this player.
  - play an HD DVD video disc of a certain type, recorded in linear PCM format.

  In this case,the output level will be restored by setting to “Downmixed PCM”.

Dynamic Range Control

To turn on or off a function that makes faint sounds easier to hear even if you lower the volume during late-hour playback.

Auto

While playing an HD DVD video disc recorded in Dolby TrueHD format, this function will be automatically activated or disabled according to certain command included in the content.

For other discs, this function is activated.

On

This function is activated.

Off

This function is disabled.

Notes

- This function is effective only in playback of HD DVD or DVD video discs recorded in Dolby Digital, Dolby Digital Plus or Dolby TrueHD format.
- The effect level of this function vary depending on the disc.

Dialog Enhancement

To turn on or off a function that increases dialog volume of a DVD video disc playback.

On

This function is activated.

Off

This function is disabled.

Notes

- This function is effective only in playback of Dolby Digital recorded HD DVD or DVD video discs.
- The effect level of this function vary depending on the disc.

Customizing the function settings (Continued)

Language

Disc Menu Language

To select a preferred language for disc menus.

English

To display disc menus in English.

French

To display disc menus in French.

Japanese

To display disc menus in Japanese.

German

To display disc menus in German.

Others

To make a further language choice.

After pressing OK button, follow steps 1) – 4) below.

1) Obtain the language code of the preferred language from the Language code list (page 59).
2) Select the first character by pressing ▲/▼ buttons.
3) Press ◀/▶ buttons to shift. Select the second character by pressing ▲/▼ buttons.
4) Select “OK” and press OK button.

Note

- Some discs may be played in a different language from that you selected, as the disc may contain alternate language.

Subtitle Language

To select a preferred language for subtitles.

None

To disable subtitles.

English

To display subtitles in English.

French

To display subtitles in French.

Japanese

To display subtitles in Japanese.

German

To display subtitles in German.

Others

To make a further language choice.

After pressing OK button, follow steps 1) – 4) below.

1) Obtain the language code of the preferred language from the Language code list (page 59).
2) Select the first character by pressing ▲/▼ buttons.
3) Press ◀/▶ buttons to shift. Select the second character by pressing ▲/▼ buttons.
4) Select “OK” and press OK button.

Notes

- Some discs may be set to display subtitles in a different language from that you selected, as the disc may contain alternate language.
- Some discs allow you to change subtitle selections only via the disc menu. In this case, press MENU button and choose the appropriate subtitle language from the selection on the disc menu.

Audio Language

To select a preferred language for the sound track.

English

To display sound tracks recorded in English.

French

To display sound tracks recorded in French.

Japanese

To display sound tracks recorded in Japanese.

German

To display sound tracks recorded in German.

Others

To make a further language choice.

After pressing OK button, follow steps 1) – 4) below.

1) Obtain the language code of the preferred language from the Language code list (page 59).
2) Select the first character by pressing ▲/▼ buttons.
3) Press ◀/▶ buttons to shift. Select the second character by pressing ▲/▼ buttons.
4) Select “OK” and press OK button.

Note

- Some discs may be played in a different language from that you selected, as the disc may contain alternate language.

On Screen Language

To select a preferred language for on-screen displays.

English

To view on-screen display in English.

French

To view on-screen display in French.

Japanese

To view on-screen display in Japanese.

German

To view on-screen display in German.

Ethernet

See the “Internet connection” chapter (⇨ page 42).

Customizing the function settings (Continued)

General

Parental Lock

HD DVD and DVD video discs equipped with the Parental Lock function have a predetermined limitation level. The limitation level or limitation method may differ depending on the disc. For example the whole contents of a disc may not be played back, or an extreme violent scene may be cut or replaced automatically by another scene.

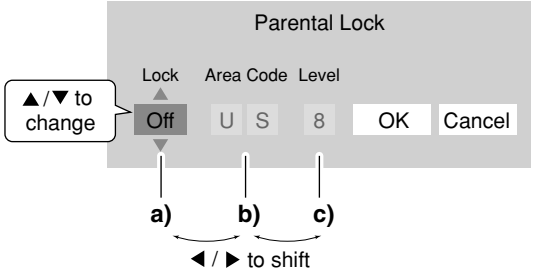
Important

Depending on discs, it may not be evident whether the disc is compatible with Parental Lock function. Make sure that Parental Lock function you set is activated correctly.

1 Enter a 4-digit password by using the number buttons, then press OK button.

When you use the player for the first time, set a new password of 4-digit. If you make a mistake entering your password, press CLEAR button before pressing OK button, and re-enter the correct password.

2 Set the details.



a) Select "On" or "Off" by pressing ▲/ ▼buttons.

On

Select this to activate Parental Lock function or to change the setting.

Off

Deactivate the Parental Lock function.
Skip step 3.

b) Press ▲/▼ buttons to enter the code of a country/ area whose standards were used to rate a disc, referring to the list below.

Country/Area	Code
AUSTRALIA	AU
BELGIUM	BE
CANADA	CA
CHINA	CN
CHINA HONG KONG	HK
DENMARK	DK
FINLAND	FI
FRANCE	FR
GERMANY	DE
INDONESIA	ID
ITALY	IT
JAPAN	JP
MALAYSIA	MY
NETHERLANDS	NL
NORWAY	NO
PHILIPPINES	PH
RUSSIAN FEDERATION	RU
SINGAPORE	SG
SPAIN	ES
SWEDEN	SE
SWITZERLAND	CH
TAIWAN	TW
THAILAND	TH
UNITED KINGDOM	GB
UNITED STATES	US

c) Select the desired limitation level by pressing ◀/▶ buttons.

Unless the Parental Lock function is set to "Off", a disc that has a higher limitation level than your selected limitation level cannot be played back. For example, if you select level 7, discs exceeding level 8 are locked and cannot be played back.

When "US" is selected, its limitation level corresponds to the following settings.

Level 7 : NC-17 Level 3 : PG
Level 6 : R Level 1 : G
Level 4 : PG13

3 Select "OK" then press OK button.

■ To change the limitation level of Parental Lock function

Follow step 1 - 3 above.

■ To change the password

1 At step 1, press STOP button 4 times then press OK button.

The password is cleared.

2 Enter a new 4-digit password by using the number buttons.

3 Press OK button.

Clock Set

To set the clock of the player.

1 **Select your time zone by ◄/► buttons, then press OK button.**

2 **Press ▼ button to shift the cursor to the next input area.**

3 **Enter the year using the number buttons, then press OK button.**

4 **Set "Month", "Date" and "Time" in the same manner as 3.**

5 **Select "AM" or "PM" by ▲/▼ buttons.**

6 **Press ◄ button then ▼ button to select "OK", then press OK button.**

The clock starts.

Note

- If a power failure occurs or the power cord is disconnected, the clock data will be erased. Reset the clock.

OSD On/Off

To activate or deactivate the operational status display on the TV screen.

On

Activates the operational status display (e.g., ▶) on the TV screen.

Off

Deactivates the operational status display (e.g., ▶) on the TV screen.

Remote Controller Sound

To turn on or off the confirmation beeper announcing when each remote command is received.

On

Turns on the beep sound.

Off

Turns off the beep sound.

Screen Saver

To turn on or off the screen protection function.

Auto Power Off

Turns the player off if picture pausing continues for about 20 minutes.

On

Activates the screen saver if picture pausing continues for about 20 minutes.

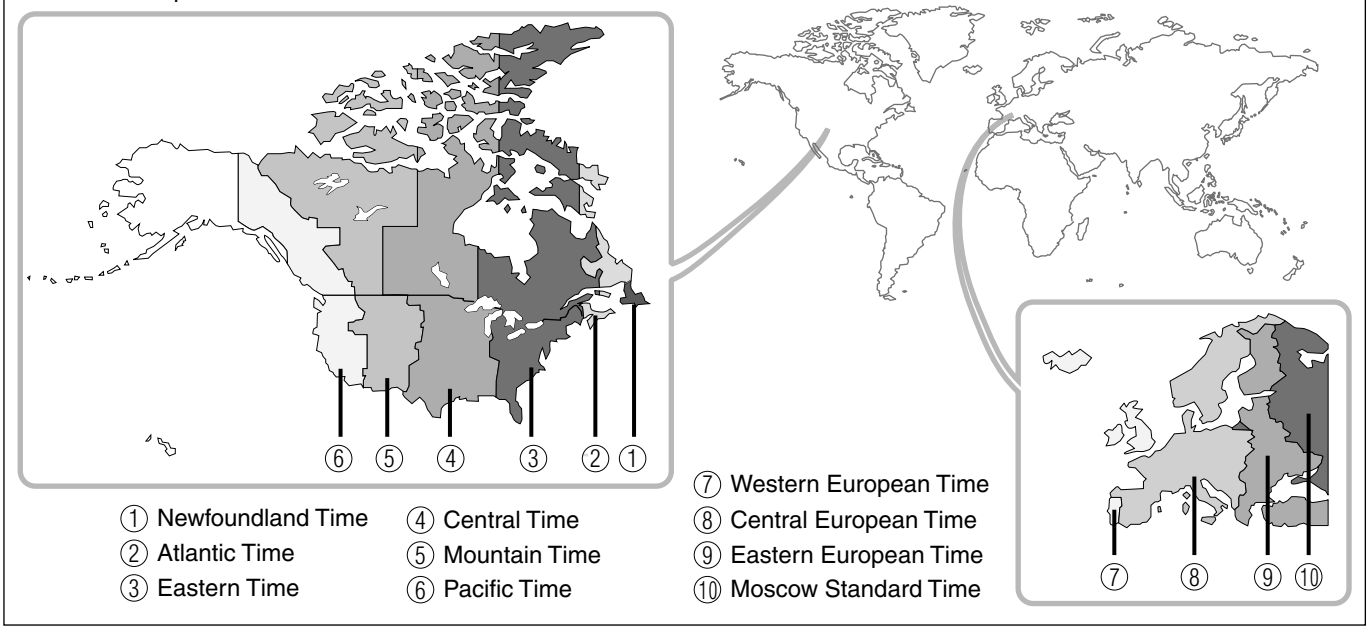
Off

Deactivates the screen saver.

Notes

- Toshiba does not guarantee that this function will protect your display.
- To close the screen saver, press any button on the player or the remote control.

Time zone map



① Newfoundland Time
② Atlantic Time
③ Eastern Time
④ Central Time
⑤ Mountain Time
⑥ Pacific Time
⑦ Western European Time
⑧ Central European Time
⑨ Eastern European Time
⑩ Moscow Standard Time

Customizing the function settings (Continued)

General

Maintenance **(including internet firmware update)**

Initialize

To reset all the settings listed on page 53 to factory set default.

Press ◀/▶ buttons to select "Yes" then press OK button.

Update (Firmware update)

If you have a broadband internet service you may obtain firmware updates over the internet using the LAN port on the back of your player. (pages 44 to 46 for information on configuring and connecting your LAN port.) Then follow these steps:

- Make sure no disc is loaded in the player.
- Press SETUP and select Maintenance. Follow the instructions on the screen.
- If no update is available, a message will note this and the process will terminate.
- If an update is available, the player will download it showing the status of the process on its display.
- Do not attempt to roll back to a prior firmware version. This may damage your player.

Caution

- Do not unplug, turn off or use any other feature of the player during the download. The writing of the software being downloaded will be halted and the player may no longer work properly. If the player stops working, contact Toshiba Customer Service.

Note

- If a broadband connection is not available for use by your player, you may obtain firmware updates by mail. There is a postcard included with this player that you can use to sign up for updates on firmware availability and to automatically receive update discs.

Persistent Storage

To open the menu to control player's memory allocated for content.

The menu selections will vary depending on the content.

Operate following the instructions displayed on your screen.

Twin Format Disc

To select a layer to play, HD DVD or DVD of an HD DVD Twin Format Disc. (Not available while a disc is loaded.)

HD DVD

Only the HD DVD layer is played.

DVD

Only the DVD layer is played.

Note

- For combination discs, select the desired version by disc side (see label for information).

Language code list

Abbreviation	Language
– – –	No alternate language
CHI (ZH)	Chinese
DUT (NL)	Dutch
ENG (EN)	English
FRE (FR)	French
GER (DE)	German
ITA (IT)	Italian
JPN (JA)	Japanese
KOR (KO)	Korean
MAY (MS)	Malay
SPA (ES)	Spanish
AA	Afar
AB	Abkhazian
AF	Afrikaans
AM	Amharic
AR	Arabic
AS	Assamese
AY	Aymara
AZ	Azerbaijani
BA	Bashkir
BE	Belorussian
BG	Bulgarian
BH	Bihari
BI	Bislama
BN	Bengali, Bangla
BO	Tibetan
BR	Breton
CA	Catalan
CO	Corsican
CS	Czech
CY	Welsh
DA	Danish
DZ	Bhutani
EL	Greek
EO	Esperanto
ET	Estonian
EU	Basque
FA	Persian
FI	Finnish
FJ	Fiji
FO	Faroese
FY	Frisian
GA	Irish
GD	Scottish Gaelic
GL	Galician

Abbreviation	Language
GN	Guarani
GU	Gujarati
HA	Hausa
HI	Hindi
HR	Croatian
HU	Hungarian
HY	Armenian
IA	Interlingua
IE	Interlingue
IK	Inupiak
IN	Indonesian
IS	Icelandic
IW	Hebrew
JI	Yiddish
JW	Javanese
KA	Georgian
KK	Kazakh
KL	Greenlandic
KM	Cambodian
KN	Kannada
KS	Kashmiri
KU	Kurdish
KY	Kirghiz
LA	Latin
LN	Lingala
LO	Laotian
LT	Lithuanian
LV	Latvian, Lettish
MG	Malagasy
MI	Maori
MK	Macedonian
ML	Malayalam
MN	Mongolian
MO	Moldavian
MR	Marathi
MT	Maltese
MY	Burmese
NA	Nauru
NE	Nepali
NO	Norwegian
OC	Occitan
OM	(Afan) Oromo
OR	Oriya
PA	Panjabi
PL	Polish
PS	Pashto, Pushto

Abbreviation	Language
PT	Portuguese
QU	Quechua
RM	Rhaeto-Romance
RN	Kirundi
RO	Rumanian
RU	Russian
RW	Kinyarwanda
SA	Sanskrit
SD	Sindhi
SG	Sango
SH	Serbo-Croatian
SI	Singhalese
SK	Slovak
SL	Slovenian
SM	Samoan
SN	Shona
SO	Somali
SQ	Albanian
SR	Serbian
SS	Siswati
ST	Sesotho
SU	Sundanese
SV	Swedish
SW	Swahili
TA	Tamil
TE	Telugu
TG	Tajik
TH	Thai
TI	Tigrinya
TK	Turkmen
TL	Tagalog
TN	Setswana
TO	Tongan
TR	Turkish
TS	Tsonga
TT	Tatar
TW	Twi
UK	Ukrainian
UR	Urdu
UZ	Uzbek
VI	Vietnamese
VO	Volapük
WO	Wolof
XH	Xhosa
YO	Yoruba
ZU	Zulu

Output sound conversion table

Disc	Audio Format		Digital Output SPDIF	
			Bitstream	PCM
HD DVD Video Advanced con.	DD Plus/Dolby TrueHD/ dts-HD/L-PCM		DTS Bitstream	2ch PCM
HD DVD Video Standard content	DD plus		Bitstream	2ch PCM
	True HD	48kHz	DTS Bitstream	2ch PCM
		96kHz	DTS Bitstream	2ch PCM[1]
		192kHz	DTS Bitstream	2ch PCM[1]
	dts-HD		Bitstream	2ch PCM
	L-PCM	48kHz	DTS Bitstream	2ch PCM
		96kHz	DTS Bitstream	2ch PCM[1]
		192kHz	DTS Bitstream	2ch PCM[1]
DVD-Video	DD		Bitstream	2ch PCM
	L-PCM	48kHz	2ch PCM	2ch PCM
		96kHz	2ch PCM[1]	2ch PCM[1]
	dts		Bitstream	2ch PCM
	MPEG		Bitstream	2ch PCM
CD	L-PCM	44.1kHz	2ch PCM	2ch PCM
	dts	44.1kHz	Bitstream	2ch PCM
DVD-VR	DD		Bitstream	2ch PCM
	L-PCM		2ch PCM	2ch PCM
	MPEG		Bitstream	2ch PCM

Disc	Audio Format		Digital Output HDMI		
			Auto	PCM	Downmixed PCM
HD DVD Video Advanced con.	DD Plus/Dolby TrueHD/ dts-HD/L-PCM		Depend on HDMI receiver	Multi PCM[3]	2ch PCM[1]
HD DVD Video Standard content	DD plus		Depend on HDMI receiver	up to 5.1ch PCM[2]	2ch PCM
	True HD	48kHz	Depend on HDMI receiver	Multi PCM	2ch PCM
		96kHz	Depend on HDMI receiver	Multi PCM	2ch PCM[1]
		192kHz	Depend on HDMI receiver	2ch PCM[1]	2ch PCM[1]
	dts-HD		Depend on HDMI receiver	up to 5.1ch PCM[2]	2ch PCM
	L-PCM	48kHz	Depend on HDMI receiver	Multi PCM	2ch PCM
		96kHz	Depend on HDMI receiver	Multi PCM[3]	2ch PCM[1]
		192kHz	Depend on HDMI receiver	2ch PCM[3]	2ch PCM[1]
	MPEG		Depend on HDMI receiver	2ch PCM	2ch PCM
DVD-Video	DD		Depend on HDMI receiver	Multi PCM	2ch PCM
	L-PCM	48kHz	2ch PCM	2ch PCM	2ch PCM
		96kHz	2ch PCM	2ch PCM[3]	2ch PCM[1]
	dts		Depend on HDMI receiver	Multi PCM	2ch PCM
	MPEG		Depend on HDMI receiver	2ch PCM	2ch PCM
CD	L-PCM	44.1kHz	2ch PCM	2ch PCM	2ch PCM
	dts	44.1kHz	Depend on HDMI receiver	Multi PCM	2ch PCM
DVD-VR	DD		Depend on HDMI receiver	2ch PCM	2ch PCM
	L-PCM		2ch PCM	2ch PCM	2ch PCM
	MPEG		Depend on HDMI receiver	2ch PCM	2ch PCM

1: Downsampled PCM.
2: Multi channel PCM audio output is possible only when the connected HDMI device has multi channel decoding function.
3: This output format is possible when the resolution setting is “720p” or “1080i”. This will be 48kHz 2ch PCM output when the setting is “480i”. When the resolution setting is set to “480p”, this output format depends on HDMI receiver.

Notes

- The main title content of most movie HD DVD discs is “advanced content”.
- Some discs allow you to change audio selections only via the disc menu. If this is the case, press MENU button and choose the appropriate language from the selections on the disc menu.
- When you turn on the player or replace a disc, the player returns to the initial default setting. (⇨ page 54)
- Immediately after you have switched audio output modes, there may be a temporary discrepancy between the display and actual sound.
- The BITSTREAM/PCM jack may not output SAP sound you select. In this instance, set “Digital Output SPDIF” to “PCM”.
- The ANALOG AUDIO OUTPUT jacks always output 2ch sound only.

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. Toachieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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(For example, a function in a library to compute square roots has a purpose that is entirely welldefined independent of the application. Therefore, Subsection 2d requires that any applicationsupplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6.As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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Ty Coon,President of Vice

That's all there is to it!

Exhibit C

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Eric Young (eay@cryptsoft.com).

The implementation was written so as to conform with Netscapes SSL.

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Before calling service personnel

If you experience any of the following difficulties while using this unit, check the list below before consulting your nearest Toshiba dealer.

Symptom	Remedy
■ **No power.**	→Is the power plug disconnected? Check the power connection.
■ **No picture.**	→Is the cable for connecting the player and TV disconnected or not connected properly? Check the connections (⇨ page 21 – 22) →Switch the input of the connected TV to the signal from the player. →Are both the HDMI OUTPUT jack and the COMPONENT OUTPUT jacks connected simultaneously? Select either connection and make the appropriate setting. (⇨ page 21 – 23)
■ **No sound.**	→Is the audio cable disconnected? (⇨ page 22) →Is the volume of the device turned down to the minimum level? Check the volume. →Switch the audio input of the device connected by the audio cable to the input from the player. →Set “Digital Output SPDIF” or “Digital Output HDMI” (⇨ page 53) properly in accordance with the connected device and connection procedure. →Change the output resolution (⇨ page 23) so that sound can be heard. →If using the optical digital output for a Dolby Digital Plus, Dolby TrueHD, DTS-HD or DTS soundtrack, be sure your AV receiver or processor is set to use the input connected to your player and is set to decode a DTS bitstream. If your AV receiver or processor does not support DTS, select PCM output on the player (⇨ page 53).
■ **The disc does not play.**	→Make sure the disc type can be played with the player (⇨ page 28). →Is the disc dirty or scratched? Check or clean the disc. (⇨ page 29) →If the disc is a DVD-RW or DVD-R disc, finalize the disc before attempting to play it with the player. →If the disc includes parent lock support, playback is restricted while the parent lock of the player is set. Cancel Parental Lock (⇨ page 56) or change the restriction level.
■ **Playback picture has noise.**	→If video from the player is watched via a video recorder or on a TV with a built-in video recorder, the copy guard may prevent images from being displayed properly. Be sure to connect the player directly to the TV.
■ **The remote control does not work.**	→Are the batteries of the remote control dead? Replace the batteries. (⇨ page 16) →Make sure the remote control is within range and pointed in the correct direction.
■ **Screen freezes and no buttons work.**	→Pressing ON/STANDBY button on the player for approximately ten seconds forces the player to turn off. Turn the player off and then on again.

Specification

■ Power requirement

33.0W

■ Power supply

120V AC 60Hz

■ Mass

4.1kg

■ External dimension

Width 430 x Height 65.5 x Depth 345mm

■ Signal system

Standard NTSC Color TV system

■ Laser

Semiconductor laser, Wavelength: 405nm/650nm/780nm

■ VIDEO output

1.0Vp-p (75Ω), Sync signal negative,

Pin jack x 1 system

■ S-VIDEO output

(Y) 1.0Vp-p (75Ω), Sync signal negative,

(C) 0.286Vp-p (75Ω), 1 at rear

Mini DIN4 Pin x 1 system

■ Component output (Y, P_B P_R)

Y output (green), 1.0Vp-p (75Ω),

Sync signal negative, Pin jack x 1 system

P_B, P_R output (blue, red), 0.7Vp-p (75Ω),

Pin jack x 1 system each

■ Analog audio output

2.0V (rms), 2.2kΩ or below, pin jack

(L, R) x 2 systems

■ Digital audio output (BITSTREAM/PCM jack)

Optical connector x 1 system

■ LAN port

100BASE-TX/10BASE-T × 1

■ EXTENSION port

EXTENSION port × 2 systems

■ HDMI output

19 pin

■ Remote control

Wireless remote control (SE-R0252)

■ Operating conditions

Temperature: 41°F ~ 95°F (5°C ~ 35°C),

Position: Horizontal

■ Clock accuracy

Quartz (monthly deviation: approximately ±30 seconds)

- Designs and specifications are subject to change without notice.
- This model may not be compatible with features and/or specifications that may be added in the future.
- The Illustrations and screens described in this manual may be exaggerated or simplified for easy recognition and may be slightly different from the actual unit.

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Owner's Manual and Product Registration Card

Read this owner's manual thoroughly before operating this DAV Product.

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(3) The warranties from TACP are effective only if the DAV Product is purchased and operated in the United States or Puerto Rico.

(4) Labor service charges for set installation, setup, adjustment of customer controls and installation or repair of antenna systems are not covered by this warranty. Reception problems caused by inadequate antenna systems are your responsibility.

(5) Warranties extend only to defects in materials or workmanship as limited above and do not extend to any DAV Product or parts that have been lost or discarded by you or to damage to DAV Product or parts caused by fires, misuse, accident, Acts of God, such as lightning or fluctuations in electric power, improper installation, improper maintenance or use in violation of instructions furnished by TACP; use or malfunction through simultaneous use of this DAV Product and connected equipment; or to units that have been modified or had the serial number removed, altered, defaced, or rendered illegible.

How to Obtain Warranty Services

If, after following all of the operating instructions in this manual and checking the section “Before calling service personnel”, you find that service is needed:

(1) For instructions on how to obtain warranty service for your DAV Product, contact TACP’s Consumer Solution Center toll-free at 1-800-319-6684.

(2) You must include a copy of original bill of sale or other proof of purchase along with the entire DAV Product to the Depot Warranty Repair Center specified by the TACP Consumer Solutions Center. You are responsible for all inbound transportation and insurance charges for the DAV Product to the Depot Warranty Repair Center specified by the TACP Consumer Solutions Center.

For additional information, visit TACP’s web site: www.tacp.toshiba.com.

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INFORMATION ON CUSTOMER SUPPORT

HD DVD is a new and evolving format, so changes and improvements are possible. To obtain updated information about HD DVD and this product, as well as customer support information about this product, please call 1 (800) 319-6684 or visit www.tacp.com/customersupport.

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